

NASA Reference Publication 1031

Catalog of Far-Ultraviolet  
Objective-Prism Spectrophotometry:  
Skylab Experiment S-019,  
Ultraviolet Stellar Astronomy

K. G. Henize, J. D. Wray,  
S. B. Parsons, and G. F. Benedict

MAY 1979

**NASA**

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National Aeronautics  
and Space Administration

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# List of Catalog Stars

HD 358	$\alpha$ And	24504	HR 1207	35912	HR 1820
432	$\beta$ Cas	24534	X Per	36267	32 Ori
593		24640	HR 1215	36285	HR 1840
1337	AO Cas	24912	$\xi$ Per	36351	33 Ori
1976	HR 91	25940	48 Per	36430	HR 1848
2054	HR 96	27045	$\omega$ Tau	36486	$\delta$ Ori
2772	$\lambda$ Cas	27295	53 Tau	36512	$\nu$ Ori
2905	$\kappa$ Cas	27309	56 Tau	36591	HR 1861
3240	HR 144	27396	53 Per	36695	VV Ori
3360	$\zeta$ Cas	27934	$\kappa$ Tau	36779	HR 1873
4142	HR 189	27946	67 Tau	36822	$\phi^1$ Ori
4180	$o$ Cas	28024	$\nu$ Tau	36827	
5394	$\gamma$ Cas	28319	$\theta^2$ Tau	36861/2	$\lambda$ Ori
5408	HR 266	28546	81 Tau	36895	
10144	$\alpha$ Eri	28556	83 Tau	36960/59	HR 1887+86
10516	$\phi$ Per	28879		37041/2	$\theta^2$ Ori
16349		28910	$\rho$ Tau	37043	$\iota$ Ori
18925/6	$\gamma$ Per	29479	$\sigma^1$ Tau	37128	$\epsilon$ Ori
19268	HR 930	29488	$\sigma^2$ Tau	37150	HR 1906
19356	$\beta$ Per	31512	62 Eri	37202	$\zeta$ Tau
20191		32068/9	$\zeta$ Aur	37209	HR 1911
20283	HR 979	32249	$\psi$ Eri	37269	26 Aur
20677	32 Per	32630	$\eta$ Aur	37303	HR 1918
20809	HR 1011	32964	66 Eri	37468/79	$\sigma$ Ori
20902	$\alpha$ Per	33111	$\beta$ Eri	37481	HR 1933
21364	$\xi$ Tau	33328	$\lambda$ Eri	37490	$\omega$ Ori
21428	34 Per	33904	$\mu$ Lep	37507	49 Ori
21551	HR 1051	33948	HR 1704	37742/3	$\zeta$ Ori
21686	4 Tau	34029	$\alpha$ Aur	37744	HR 1950
21699	HR 1063	34085	$\beta$ Ori	37756	HR 1952
21856	HR 1074	34503	$\tau$ Ori	39985	HR 2075
21933	6 Tau	34816	$\lambda$ Lep	42087	3 Gem
22192	$\psi$ Per	35007	HR 1764	42216	
22780	HR 1113	35039	22 Ori	42933	$\delta$ Pic
22928	$\delta$ Per	35149/8	23 Ori	45057	
22951	40 Per	35299	HR 1781	45348	$\alpha$ Car
23193	HR 1133	35337	8 Lep	45789	
23302	17 Tau	35439	25 Ori	45995	HR 2370
23630	$\eta$ Tau	35468	$\gamma$ Ori	46300	13 Mon
23753	HR 1172	35575		46885	HR 2413
23848	42 Per	35588	HR 1803	46966	
23985	HR 1188	35708	114 Tau	47129	HR 2422
24398	$\zeta$ Per	35715	$\psi$ Ori	47417	



47839	15 S Mon	60344		76566	HR 3562
48099	HR 2467	60606	HR 2911	76728	HR 3571
48917	10 CMa	61071		77002	HR 3582
49961		61330	HR 2937	77320	HR 3593
50013	$\kappa$ CMa	61429	HR 2944	77475	HR 3600
50123	HR 2545	62315		78616	
51411	HR 2598	62623	3 Pup	79186	HR 3654
52140	HR 2621	62747	HR 3004	79351	a Car
52670	HR 2640	63308	HR 3025	79416	HR 3661
53138	$\sigma^2$ CMa	63425		79447	HR 3663
53344		63462	$\sigma$ Pup	79694	HR 3672
54605	$\delta$ CMa	63465	HR 3035	79735	HR 3674
54893	HR 2702	63868		80404	$\iota$ Car
54912	HR 2704	64365	HR 3078	83944	HR 3856
55522	26 CMa	64440	HR 3080	83979	$\zeta$ Cha
55857	HR 2734	65315	HR 3107	84228	HR 3868
55879	HR 2739	66624	HR 3162	84809	HR 3883
55958	HR 2741	66811	$\zeta$ Pup	85871	HR 3920
55985	HR 2743	68092		86440	$\phi$ Vel
56014	27 CMa	68161	HR 3203	87737	$\eta$ Leo
56094		68273/43	$\gamma$ Vel	87901	$\alpha$ Leo
56139	$\omega$ CMa	68324	HR 3213	90853	HR 4114
56342	HR 2756	68657	HR 3227	91316	$\rho$ Leo
56455	HR 2761	68761		91465	PP Car
56554		68895	HR 3234	92664	HR 4185
56779	HR 2770	68980	HR 3237	92740	HR 4188
56876	HR 2774	69106		93030	$\theta$ Car
57060	29 UW CMa	69144	HR 3244	93194	HR 4205
57061	$\tau$ CMa	69168		93845	$\delta^2$ Cha
57150	HR 2787	69302	HR 3250	97583	HR 4355
57193		69404		100841	$\lambda$ Cen
57219	HR 2790	69973		101379/80	HR 4492
57593	HR 2800	70309		102249	$\lambda$ Mus
58011		70556	HR 3283	102647	$\beta$ Leo
58260		70930	HR 3294	103079	HR 4549
58286	HR 2823	71935	HR 3350	106983	$\zeta$ Cru
58325	HR 2824	72108	HR 3358	108248/9	$\alpha$ Cru
58350	$\eta$ CMa	72232	HR 3363	110335	HR 4823
58420	HR 2829	72737/8	HR 3386	112078	$\lambda$ Cru
58612	HR 2841	73105		113904	$\theta$ Mus
58978	HR 2855	74071	HR 3440	114529	HR 4975
59026	HR 2856	74146	HR 3442	114911	$\eta$ Mus
59136	HR 2860	74195	$\sigma$ Vel	115846	
59499/00	HR 2870+71	74319		116658	$\alpha$ Vir
59527		74371	HR 3456	117651	HR 5093
59550	HR 2873	74956	$\delta$ Vel	120640	HR 5206
59864		75241		120991	HR 5223
60098	HR 2885	75821	HR 3527	121483	
60168	HR 2889	76004		121790	$\nu^1$ Cen
60312	HR 2895	76538	HR 3560	122451	$\beta$ Cen

124367	HR 5316	142990	HR 5942	163472	HR 6684
125238	$\epsilon$ Lup	143018	$\pi$ Sco	164402	HR 6716
125288	HR 5358	143118	$\eta$ Lup	164447	HR 6720
125721	HR 5375	143699	HR 5967	164577	68 Oph
125823	HR 5378	144294	$\theta$ Lup	164794	9 Sgr
126341	$\tau^1$ Lup	144661	HR 5998	164852	96 Her
126759		145842	$\theta$ Nor	165016	
126983	HR 5413	147152	HR 6083	165024	$\theta$ Ara
127381	$\sigma$ Lup	147165	$\sigma$ Sco	165763	
127971	HR 5439	147894		166182	102 Her
127972/3	$\eta$ Cen	147971	$\epsilon$ Nor	166937	$\mu$ Sgr
128345	$\rho$ Lup	148478/9	$\alpha$ Sco	167263	16 Sgr
128620/1	$\alpha$ Cen	148605	22 Sco	167264	15 Sgr
128974	HR 5466	149038	$\mu$ Nor	168905	HR 6875
129056	$\alpha$ Lup	149404	HR 6164	169022	$\epsilon$ Sgr
129092		149438	$\tau$ Sco	169467	$\alpha$ Tel
129116	HR 5471	149499		170465	$\delta^1$ Tel
129422	HR 5482	149711	HR 6174	171034	HR 6960
129929		149757	$\zeta$ Oph	172167	$\alpha$ Lyr
130559	$\mu$ Lib	150041		173417	HR 7044
130701/2	AX Cir	150136/5	HR 6187	173648/9	$\zeta$ Lyr
130807	$\sigma$ Lup	150168	HR 6188	173948	$\lambda$ Pav
130819	$\alpha^1$ Lib	150898	HR 6219	174179	HR 7081
130841	$\alpha^2$ Lib	151515		174585	8 Lyr
131120	HR 5543	151804	HR 6245	174638	$\beta$ Lyr (phase 0.25)
131492	$\theta$ Cir	151890	$\mu^1$ Sco	174638	$\beta$ Lyr (phase 0.50)
132058	$\beta$ Lup	151932	HR 6249	174959	HR 7115
132200	$\kappa$ Cen	151985	$\mu^2$ Sco	175426	$\delta^1$ Lyr
133738		152236	$\zeta^1$ Sco	175876	
133955	$\lambda$ Lup	152408	HR 6272	176318	HR 7174
134657		152478	HR 6274	176437	$\gamma$ Lyr
134687	HR 5651	153261	HR 6304	177724	$\zeta$ Aql
135160	HR 5661	153716	HR 6320	181454	$\beta^1$ Sgr
135240	$\delta$ Cir	153919		181623	$\beta^2$ Sgr
135591	HR 5680	154090	HR 6334	181869	$\alpha$ Sgr
135734	$\mu$ Lup	155806	HR 6397	183007	HR 7392
135917		155889		184905	V1264 Cyg
136415/6	$\gamma$ Cir	156385		185°72	14 Cyg
136504	$\epsilon$ Lup	157042	$\epsilon$ Ara	186618	
138690	$\gamma$ Lup	157056	$\theta$ Oph	187459	HR 7551
140008	$\psi^2$ Lup	157792	44 Oph	187879	V380 Cyg
140784	HR 5860	157832		188209	HR 7589
141637	1 Sco	157864	HR 6490	188252	HR 7591
142114	2 Sco	157978/9	HR 6497	188439	V819 Cyg
142165	HR 5906	158408	$\nu$ Sco	188892	22 Cyg
142184	HR 5907	158643	51 Oph	189687	25 Cyg
142250	HR 5910	158704	HR 6520	191610	28 Cyg
142301	3 Sco	158926	$\lambda$ Sco	192103	V1042 Cyg
142883	HR 5934	159532	$\theta$ Sco	192163	
142983	48 Lib	162978	HR 6672	192577/8	31 Cyg

192909/10	32 Cyg	205021	$\beta$ Cep	213310/1	5 Lac
193182		205139	HR 8243	214168/7	8 Lac
193237	P Cyg	205314	HR 8246	214263	
193369	36 Cyg	206165	9 Cep	214680	10 Lac
193536	HR 7777	206267	HR 8281	214993	12 DD Lac
194335	HR 7807	206365		216916	16 EN Lac
197345	$\alpha$ Cyg	206672	$\pi^1$ Cyg	217050	EW Lac
199081	57 Cyg	206696		217675/6	$\sigma$ And
199579	HR 8023	207330	$\pi^2$ Cyg	217943	HR 8777
200310	60 Cyg	208682	HR 8375	218045	$\alpha$ Peg
200595	HR 8064	208816	VV Cep	218376	1 Cas
201733	HR 8103	208947	HR 8384	218440	HR 8803
201819	HR 8105	209339	HR 8399	218537	HR 8808
202214	HR 8119	209481	14 Cep	219634	HR 8854
202347		209790/1	$\xi$ Cep	220057	
202904	$\nu$ Cyg	209975	19 Cep	221253	AR Cas
203064	68 Cyg	210839	$\lambda$ Cep	222109	HR 8962
203280	$\alpha$ Cep	211242	HR 8490	222173	$\epsilon$ And
203338/9	HR 8164	212120	2 Lac	222439	$\kappa$ And
203467	6 Cep	212593	4 Lac	224572	$\sigma$ Cas
204172	69 Cyg	212883	HR 8549		
204403	70 Cyg	212978	HR 8553		

## Acknowledgments

We are extremely grateful for the efforts of the many people who made the Ultraviolet Stellar Astronomy, Skylab Experiment S-019 project possible. In addition to expressing special appreciation to Fred O'Callaghan, the person most directly responsible for the development and successful performance of the S-019 Spectrograph and Articulated Mirror System, we acknowledge the efforts of those whose unique contributions were essential to the success of the program (names italicized) and thank many others for their perseverance and careful attention to detail: C. Blacknall, *F. C. Bruhweiler*, B. Cardona, C. Contreras, H. G. Corwin, B. Cuthbertson, M. K. Hemenway, D. Herrington, H. Hinson, L. S. Kelbell, R. Killen, L. Kreitzer, L. V. Krizan, R. Lazenby, J. Mack, *N. Page*, W. Pang, P. Riherd, *P. M. Rybski*, S. Simon, A. Strobel, Y. Strobel, V. Tsikoudi, *L. Wackerling*, D. West, and J. Yoste.

Individuals from other institutions, including Northwestern University, Harshaw Chemical, the Boller & Chivens Division of Perkin Elmer Corporation, Cook Electric, and various NASA centers, and especially the astronauts who operated the spectrograph in space deserve credit for their very substantial contributions to the success of this program. We thank you all, and hope that this volume, which is only a part of the overall results of the experiment, will give you a further sense of accomplishment. We also appreciate the understanding patience of our families.

Astronaut K. G. Henize was Principal Investigator for Skylab Experiment S-019. The work at the University of Texas has been supported by NASA contracts NAS 9-13176, 8-13176, and 8-31459, and NASA grant NSG 7371.

THE AUTHORS



## Abstract

Ultraviolet stellar spectra at wavelengths from 1300 to 5000 Å (130 to 500 nm) were photographed during the three manned Skylab missions using a 15-cm aperture objective-prism telescope. The prismatic dispersion varied from  $58 \text{ Å mm}^{-1}$  at 1400 Å to  $1600 \text{ Å mm}^{-1}$  at 3000 Å. Approximately 1000 spectra representing 500 stars were measured and reduced to observed fluxes. About 100 stars show absorption lines of Si IV, C IV, or C II. Numerous line features also were recorded in supergiant stars, shell stars, A and F stars, and Wolf-Rayet stars. Most stars in the catalog are of spectral class B, but some O, A, WC, WN, F, and G types are included. Spectrophotometric results are tabulated for these 500 stars.

# I. Introduction

Ultraviolet (UV) spectra were obtained in 188 star fields during the three manned Skylab missions (Skylabs 2, 3, and 4). These spectra extend from 1300 to 5000 Å (130 to 500 nm) and have a resolution of 2 Å at 1400 Å, 12 Å at 2000 Å, and about 52 Å at 3000 Å. The resolution at 1400 Å is five times better than that of the first operational Orbiting Astronomical Observatory (OAO-2) and thus allows the study of individual absorption and emission lines in the 1300- to 2000-Å region and the study of the UV energy distributions of numerous types of stars. Spectra obtained with OAO-3 (Copernicus) have greater resolution but generally give best results at wavelengths shorter than 1450 Å. Thus, the Skylab spectra form a unique set of data, allowing a comprehensive study of the UV radiations of hot stars (spectral types O, B, and A) of all luminosity types, as well as the detailed physical analysis of numerous individual stars. The effects of scattering by interstellar dust particles are also strikingly evident in these spectra, and these data should yield useful results on the distribution and character of the interstellar dust.

The telescope used is an f/3, 15-cm aperture Ritchey-Chretien system that employs a two-element (calcium fluoride and lithium fluoride) focal-plane corrector to achieve 15-arc sec image diameters over a flat 4° by 5° field. When a 4° prism of calcium fluoride is inserted into the incoming beam, this instrument becomes an objective-prism spectrograph that records the far-UV spectra of the brighter stars in the 4° by 5° field. Interchangeable film canisters were used, each of which contained 160 frames of Kodak 101 film. Ten frames were used for preflight and postflight photometric calibration. An Articulated Mirror System (AMS) was provided to allow pointing the telescope line of sight at various parts of the sky. A more detailed description of the instrument and its operation was given previously (refs. 1-3).

During the Skylab Program, 359 useful exposures on 188 star fields were obtained with the prism on the telescope. The distribution of these fields over the sky is shown in figure 1 for widened exposures and in figure 2 for unwidened exposures. Fields having both

types of exposures are shown in both figures. Altogether about 9 percent of the sky was surveyed, 3 percent in the unwidened mode. In general, the fields are concentrated in the Milky Way, where the frequency of hot stars is highest. Approximately 27 percent of the Milky Way band between  $\pm 15^\circ$  galactic latitude was surveyed.

Figure 3 shows a typical field with stars labeled to indicate star identification, visual magnitude, and spectral type. Also illustrated are wavelength scales and several lines of particular interest. Figure 4 illustrates portions of fields in Norma and Lupus. Note the pronounced P Cygni C IV profile in the supergiant  $\mu$  Nor. In contrast, the B5 V star  $\rho$  Lup is almost featureless in this region of the spectrum. The O9 Ia star HR 6164 exhibits a very pronounced interstellar extinction dip in the 2200-Å region.

Data at wavelengths of 2000 Å or shorter were obtained for 2300 stars. Stars were selected for measurement if the spectra were of reasonable quality, not seriously contaminated by overlap with adjacent spectra, and if one of the following applied: (a) The spectrum was recorded to 1500 Å or shorter; (b) the spectrum was recorded to 1800 Å or shorter for spectral type A; or (c) the spectrum was recorded to about 2000 Å or shorter for spectral types F, G, and WR, composite systems, and miscellaneous other stars of special interest. Included in the selection were 65 HD stars not contained in the Yale "Catalogue of Bright Stars."

The spectra often show irregular widening that was caused by spacecraft motion and complicated the quantitative measurement of the spectra. To solve this problem, a PDS 1010A microdensitometer, controlled by a PDP-8/e computer, was used to scan the spectra in a series of 30- $\mu$ m-wide strips, which were reassembled in the computer into a geometrically regular "rectified" spectrum. This process and its results are illustrated in figure 5. The original spectrum in which only two absorption lines are evident is shown at the bottom. The first trace shows the noisy photometric data from one 30- $\mu$ m-wide scan; the second trace shows a combination of 20 such scans with-

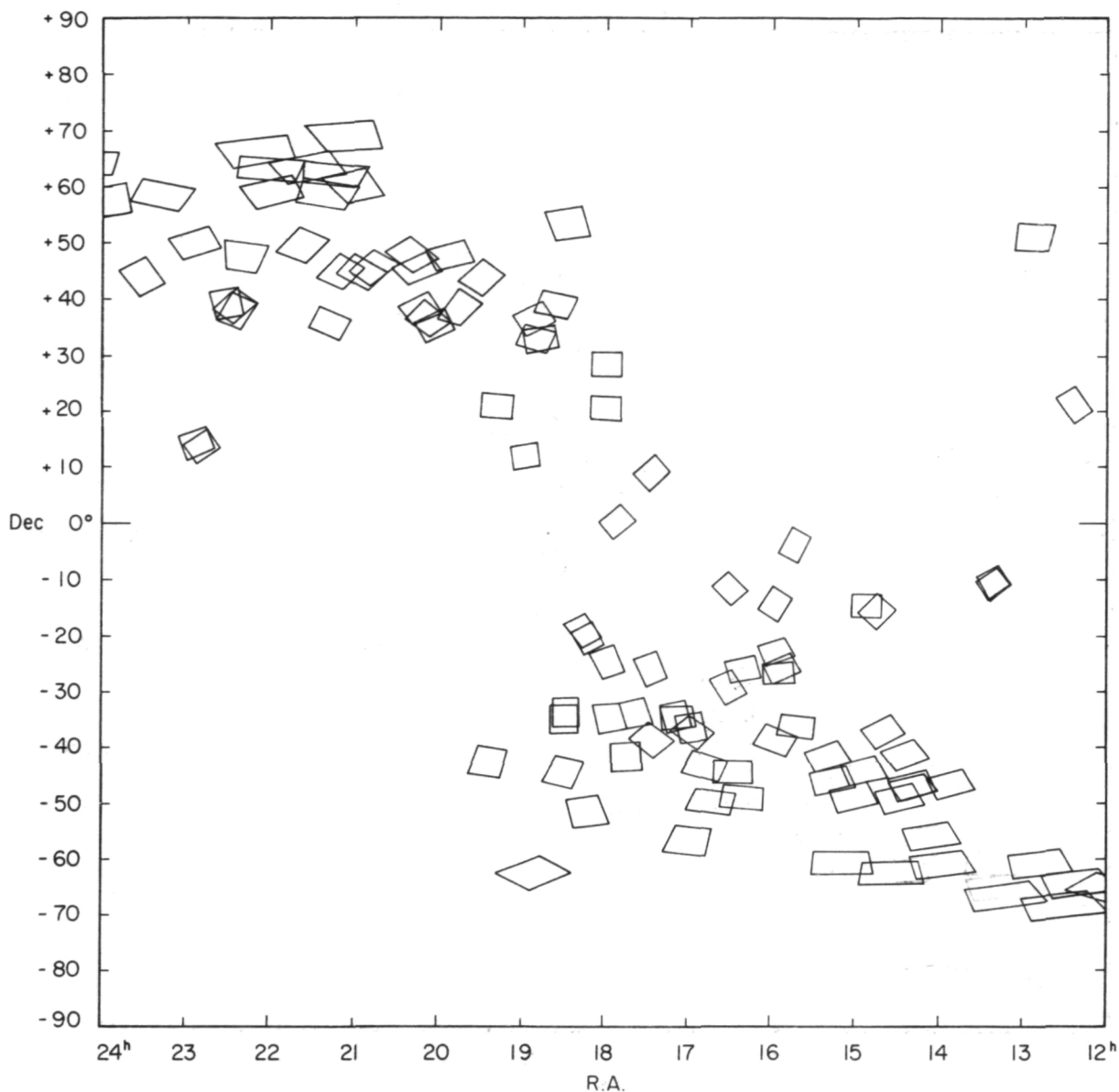


FIGURE 1.—Distribution on the sky of fields photographed with widened spectra. Part 1,  $12^h \leq \text{R.A.} \leq 24^h$ .

out shifts of wavelength (the noise is reduced, but the wavelength resolution is degraded); and the third trace shows the result after appropriate wavelength shifts were made for each scan.

At the top of figure 5, a photographic “playback” of the rectified spectrum is shown. A third line of moderate strength and several weaker features are evident. Some of the very weak features are remnants of photographic grain noise. Developing reliable methods for estimating the magnitude of this residual

noise and assigning weights and standard deviations for values at each reduced point in the spectrum have been major efforts.

An array of spectra rectified by the microdensitometer process is shown in figure 6. In addition to rectification, these spectra have been “flattened” in the computer to display weak line features against an approximately uniform continuum distribution. Comparison of the stars in common with figure 4 ( $\mu$  Nor and  $\rho$  Lup) provides an indication of the level of sig-

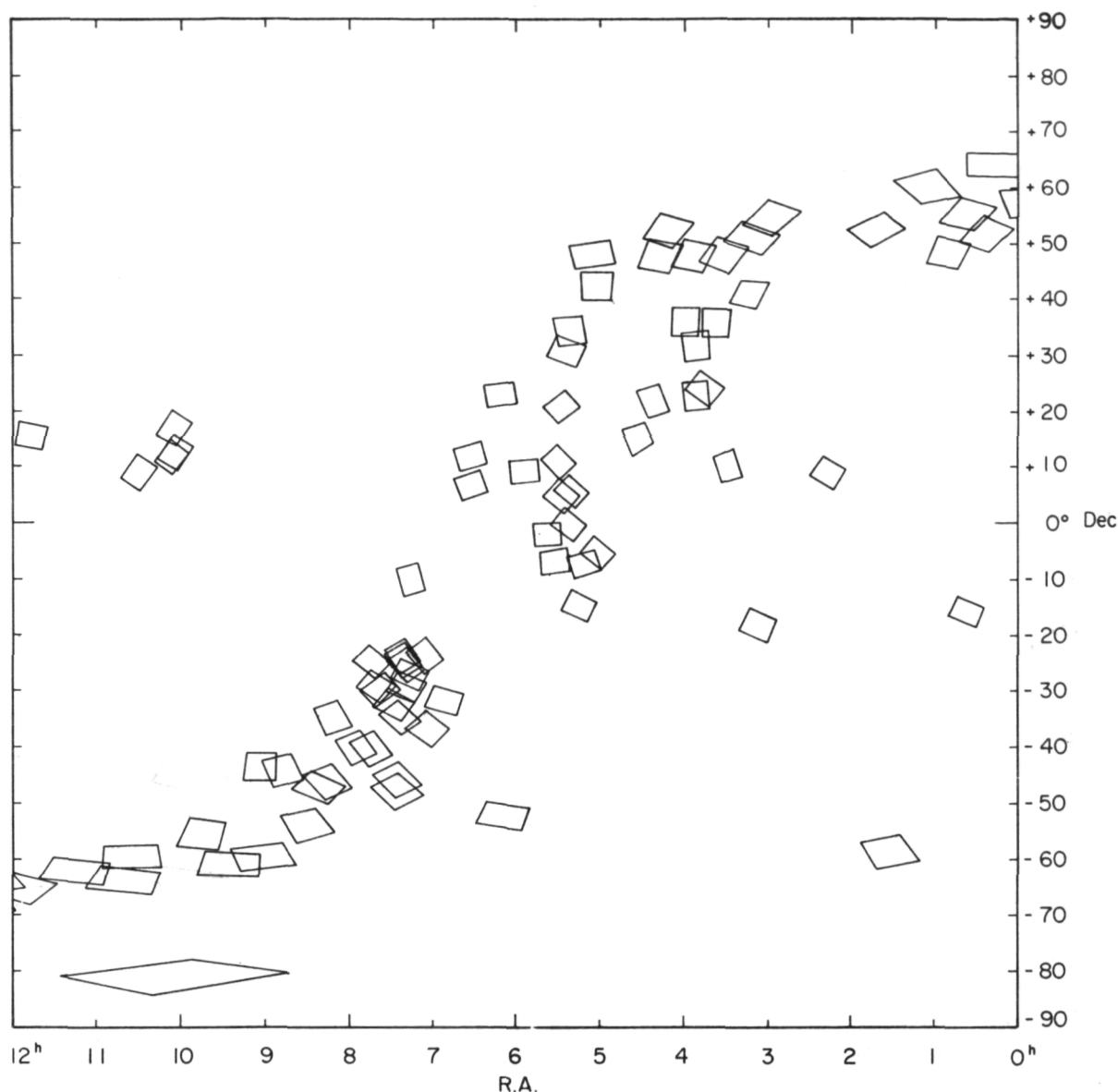


FIGURE 1.—Distribution on the sky of fields photographed with widened spectra. Part 2,  $0^h \leq \text{R.A.} \leq 12^h$ .

nificance of the features appearing in the rectified spectra.

In the class V stars, the C IV line grows stronger in the hotter stars, whereas the Si IV lines appear to peak near class B1. At type B1, the C IV line increases in strength in the higher luminosity stars. Likewise, the C IV and Si IV lines are significantly broadened in the more luminous stars and show pronounced P Cygni absorption-emission profiles. These P Cygni profiles were first observed by Morton (ref. 4) in sev-

eral O9.5 - B0 supergiant stars in spectra obtained with a sounding rocket. The S-019 data show that, whereas at classes B0 and B1 the emission is confined to supergiants, emission is also evident in giant stars at class O9 and even in main sequence stars at class O7 and hotter. The C IV profiles for various star types are displayed in reference 5.

The absorption-emission profiles found in all stars with bolometric absolute magnitudes brighter than  $-8.4$  provide evidence of very strong stellar winds and



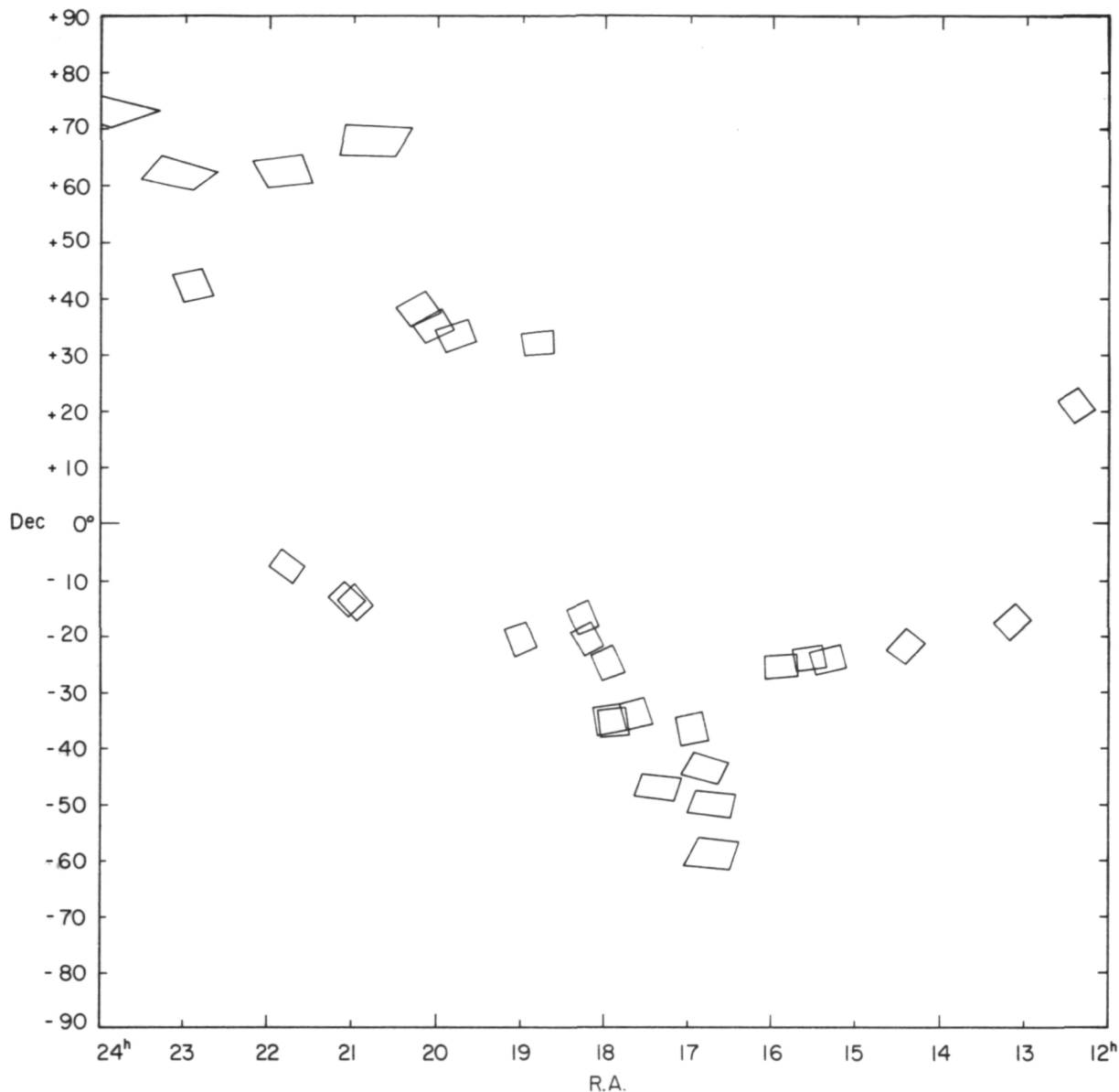


FIGURE 2.—Distribution on the sky of fields photographed with unwidened spectra. Part 1,  $12^{\text{h}} \leq \text{R.A.} \leq 24^{\text{h}}$ .

extensive circumstellar envelopes. Outstreaming of gas from the very hot and the very luminous stars is important not only to understand the evolution of these particular kinds of stars, but also to understand the composition, density, and evolution of the interstellar gas and dust that is being replenished in the process.

In addition to yielding clear evidence of mass loss, the S-019 spectra permit detection and study of faint hot objects that are hidden at optical wavelengths by

adjacent cooler stars. Several such cases were reported previously, including the very interesting object HR 3080, a G5 III star that has a hot subdwarf or pre-white dwarf companion (ref. U04\*), and HD 149499 B, which is a hot white dwarf star (ref. D28). These reports and others ("Skylab Ultraviolet Stellar Spectra: the Wolf-Rayet Stars," ref. U03; "Skylab Ultra-

\*These three-character codes refer to the bibliography given in table 8.

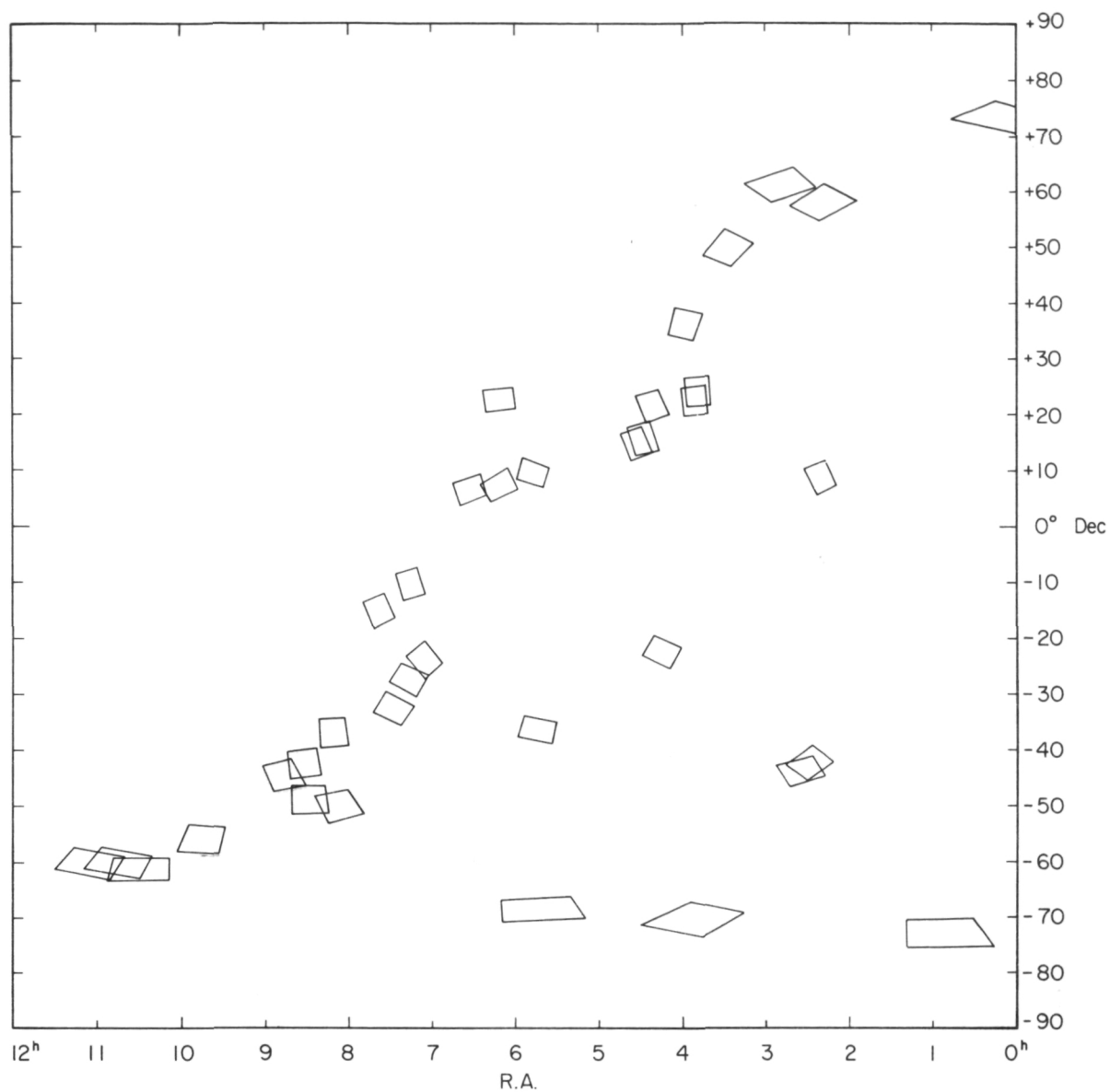


FIGURE 2.—Distribution on the sky of fields photographed with unwidened spectra. Part 2,  $0^h \leq \text{R.A.} \leq 12^h$ .

violet Stellar Spectra: Emission Lines from the Beta Lyrae System," ref. 6; "Spectral Classification with Objective-Prism Spectra from Skylab," ref. 7; and

"Some Astronomical Applications for Precision High-speed Computer Interfaced Microdensitometry," ref. 8) provide the background for the present work.

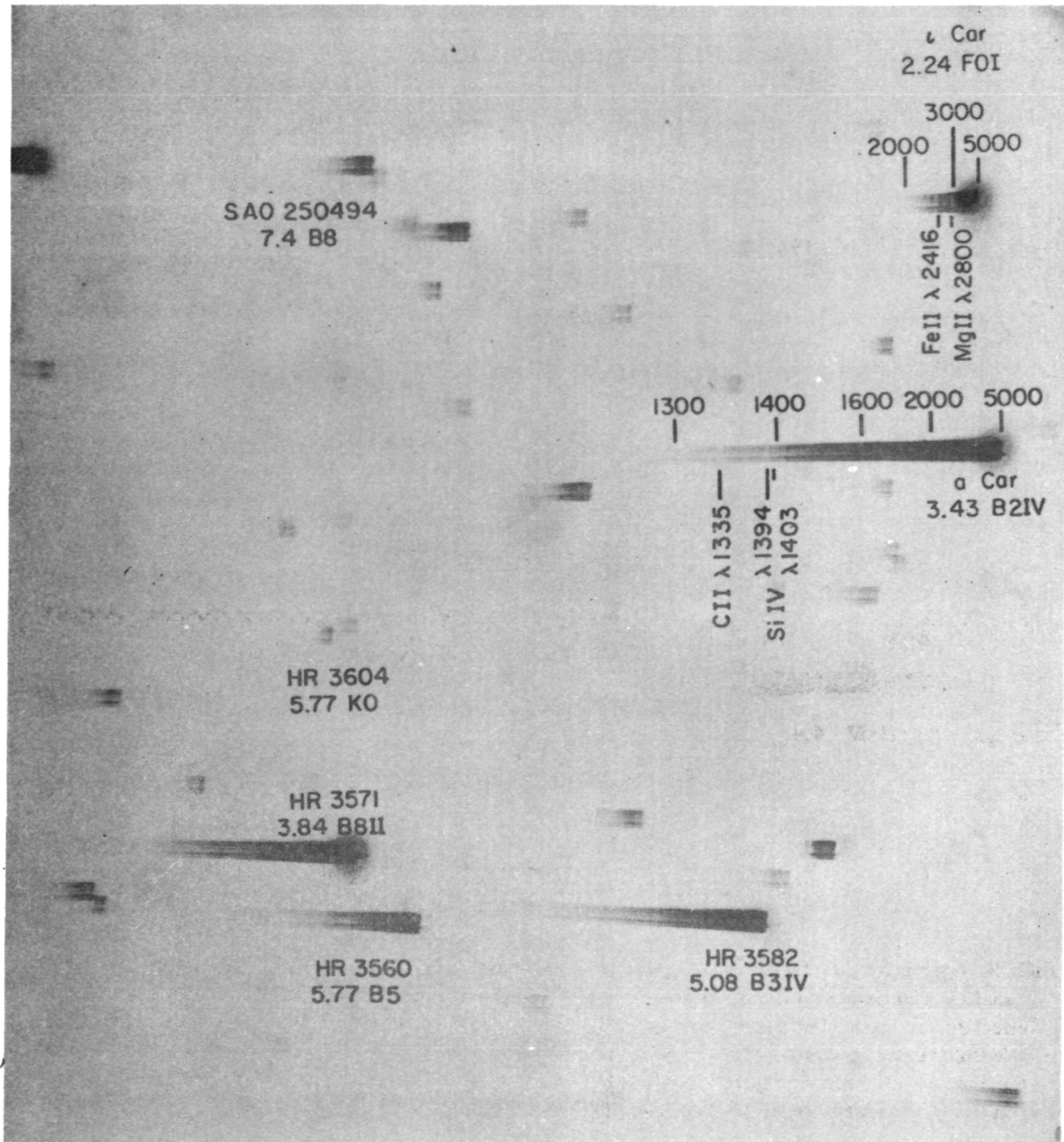


FIGURE 3.—S-019 ultraviolet spectra in the region of  $\alpha$  Carinae. A wavelength scale is indicated above the spectra of  $\alpha$  and  $\epsilon$  Carinae and line identifications are noted below these spectra. Spectral classifications and V (visual) magnitudes are given for each identified star.

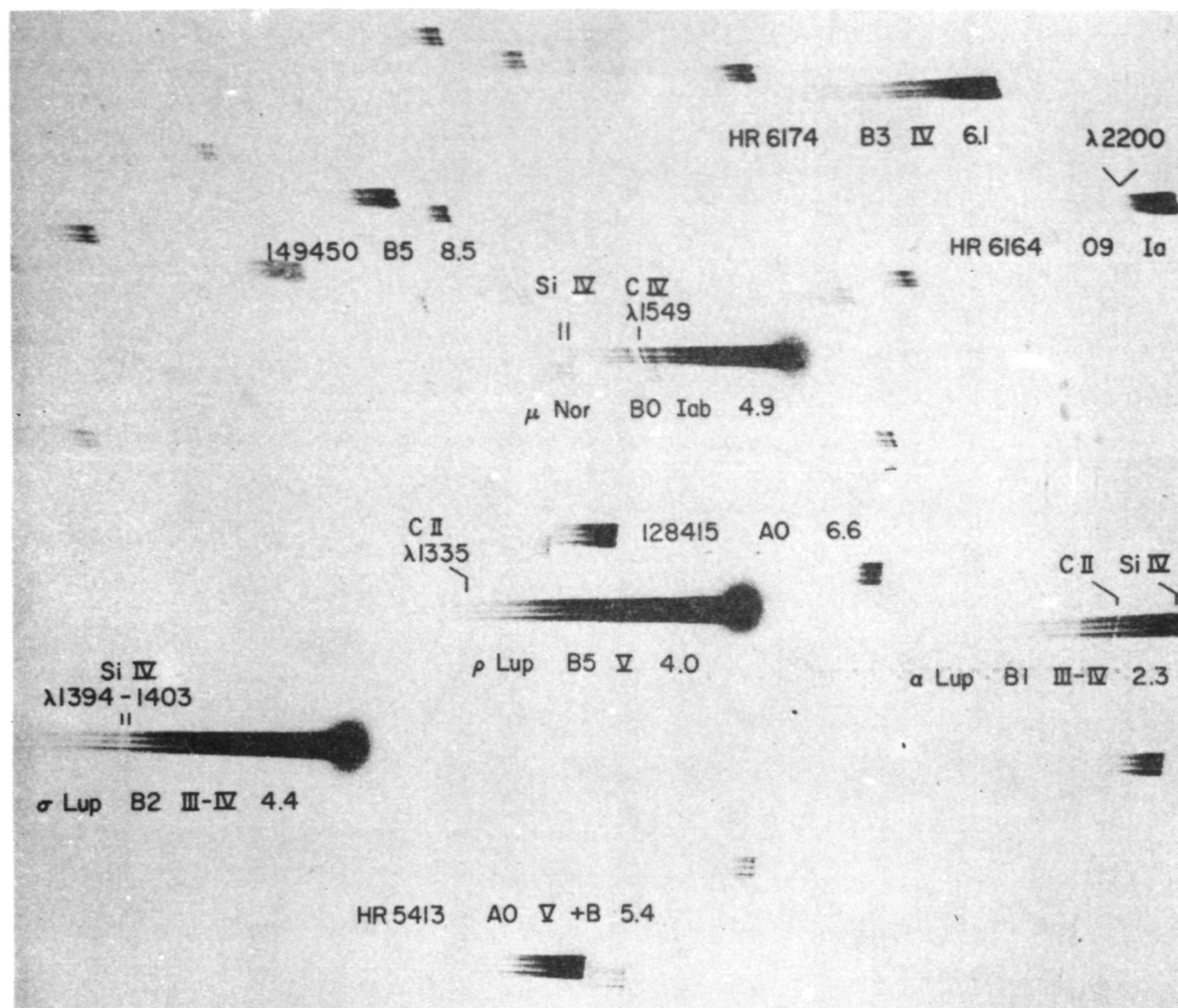


FIGURE 4.—Portions of two fields of objective-prism ultraviolet spectra. Identifications, spectral types, and visual magnitudes are indicated for several stars. P Cygni profiles in C IV and Si IV are evident in  $\mu$  Nor. The effect of the interstellar absorption peak at 2200 Å is seen in the heavily reddened star HR 6164 which has a B-V color excess around 0.7. The absorption "line" seen near the long-wavelength end of several faint stars is the Balmer discontinuity. Reproduced with permission, The Astrophysical Journal, Henize et al. (1975), University of Chicago Press. ©1975. The American Astronomical Society. All rights reserved.



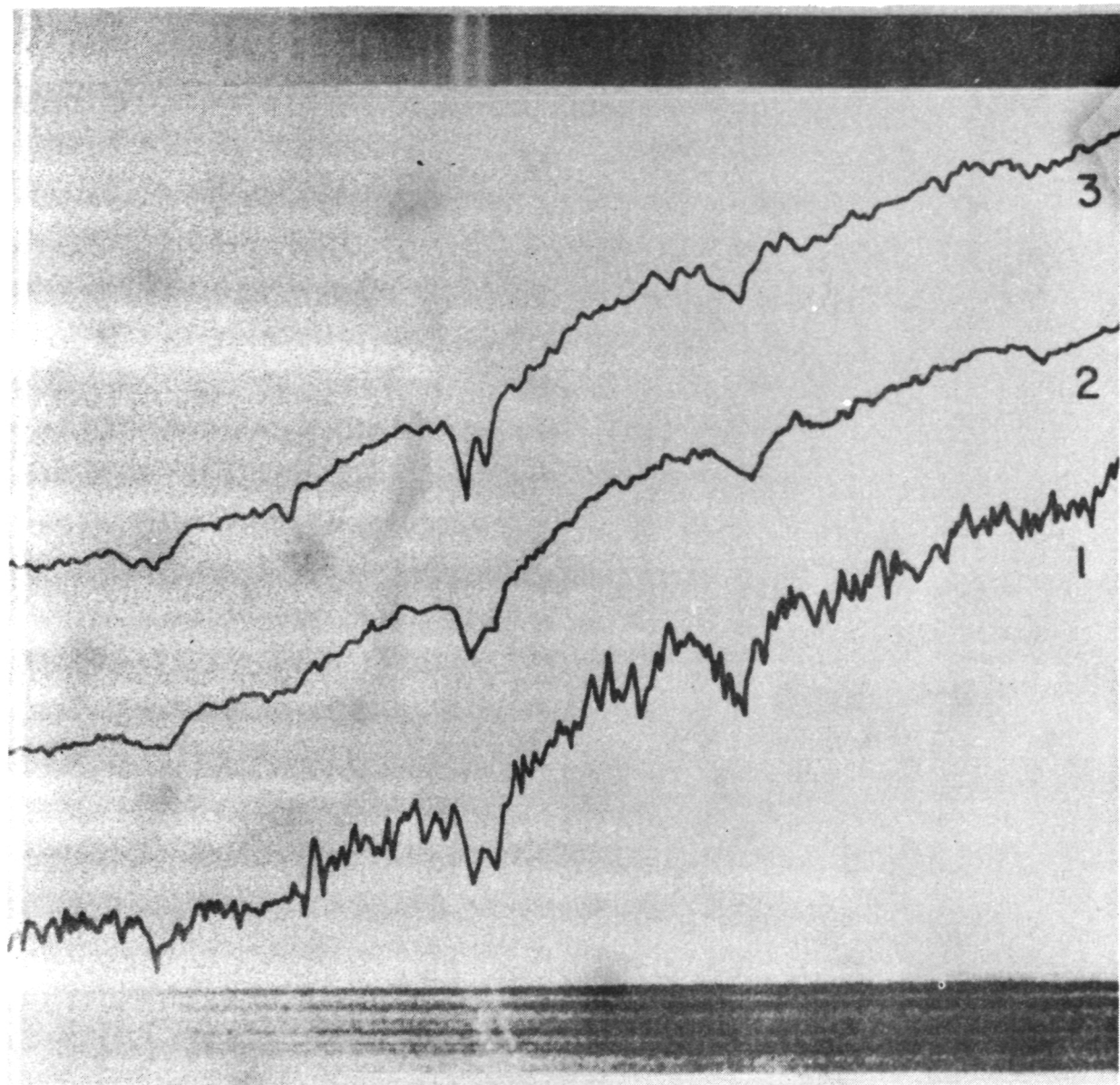


FIGURE 5.—Rectification of irregularly widened spectra. Key: bottom, the original spectrum showing streaks and slanted lines; Trace 1, single scan with a  $15 \times 30\text{-}\mu\text{m}$  aperture; Trace 2, mean of 20 scans without wavelength shifts; Trace 3, mean of 20 scans after wavelength rectification; and top, photographic play-back of data shown in Trace 3. Several weak lines are now visible which were not clearly seen in the original spectrum.

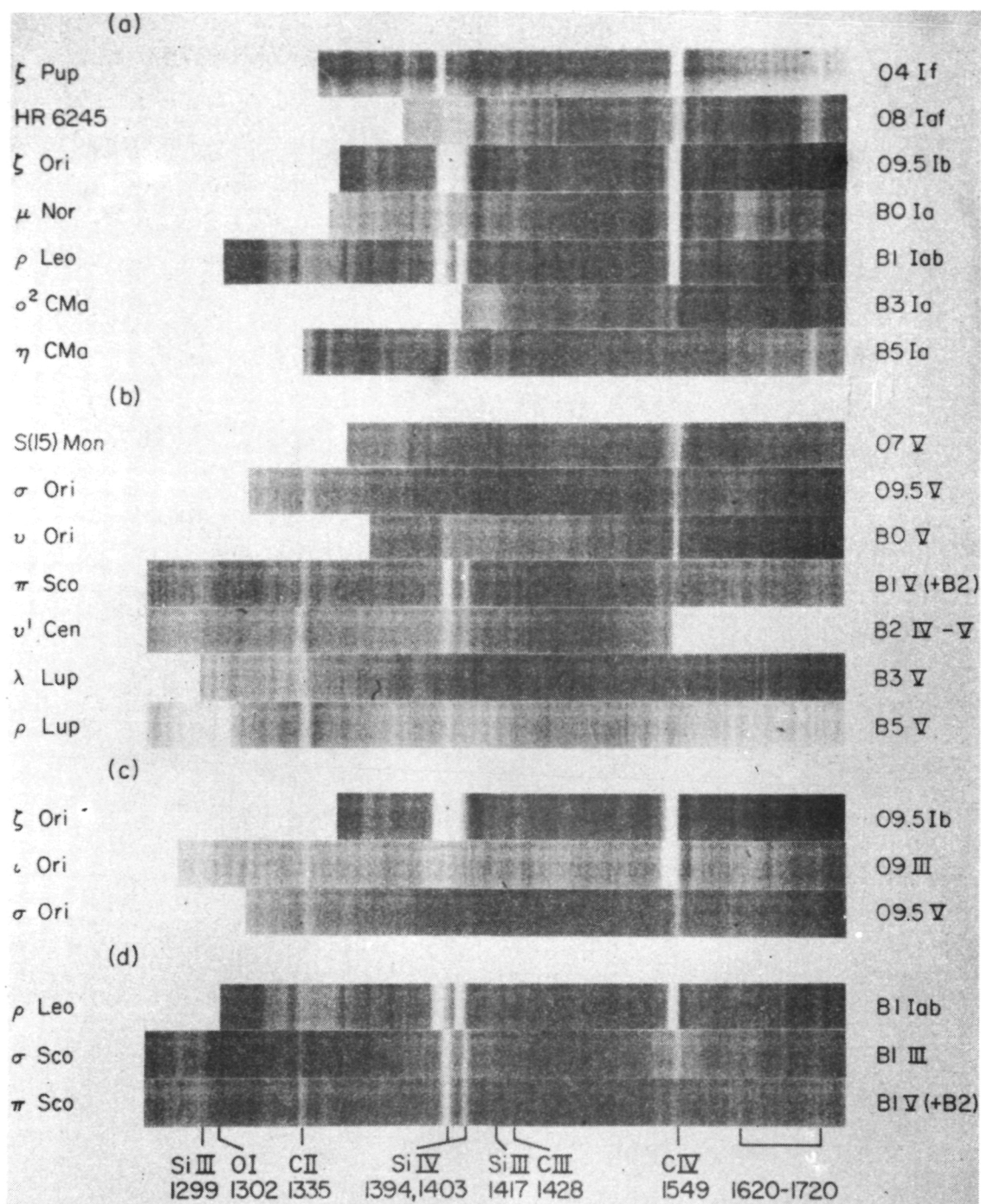


FIGURE 6.—Rectified spectra of representative stellar types in the region 1300-1800 Å. Key: (a), temperature effects among supergiants; (b), temperature effects along the main sequence; (c), luminosity effects at O9-O9.5; and (d), luminosity effects at B1. Two or three spectra of each star are averaged. Although a few weak features may result from residual grain noise, the continuity of many weak features from star to star is evident. Two stars,  $\mu$  Nor and  $\rho$  Lup, are also shown in figure 4. Reproduced with permission, The Astrophysical Journal, Henize et al. (1975), University of Chicago Press. ©1975. The American Astronomical Society. All rights reserved.

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## II. Data Reduction Procedure

The method of data reduction was closely tailored to various normal and abnormal characteristics of the spectra. In addition to the most pronounced abnormal characteristic, that of image motion, other factors affecting the results included latency effects, variations in sensitivity with exposure to radiation, and the flight thermal environment. The objective prism optical system introduced various additional factors including field-angle-dependent dispersion and wavelength scales as well as complex vignetting properties. Finally, it was necessary to take into account such unforeseen contingencies as the hole pattern mottling that appeared on the flight film but not on film maintained in the laboratory under approximately similar conditions of proximity, vacuum, and temperature.

### Calibration

Calibration exposures were made with a vacuum UV monochromator using an RF-excited molecular hydrogen lamp as the light source. Relative flux was monitored with a sodium salicylate-coated light pipe feeding an EMI photomultiplier tube. The monochromator's configuration was such that the exit slit controlled the effective pass-band for a wide range of entrance slit settings. The entrance slit then was used to control the light level, which was established by bringing the photocurrent reading to near preselected levels. The exact level then was recorded. Exposure times were identical for nearly all exposures. No reciprocity failure effect was detected over the range of exposures used (30-270 sec). Exposures were made at 13 different wavelengths in steps of 0.3 in log exposure. The total light path included the collimator optics and the complete S-019 optical system but not the AMS mirror. In principle, the S-019 system sensitivity could thus be determined simply by correcting for the difference between one AMS reflection and two reflections in the collimator. In practice, the AMS reflectivity was time dependent in the mission, and it was necessary to make adjustments to the system sensitivity based on results for the same stars from other UV spectrometer experiments.

Calibration exposures were made on laboratory film (not flown in space) and on flight film both before and after the mission. There was no detectable change of sensitivity between the preflight and post-flight films, although all flight film showed a low level exposure effect not present on the laboratory film. Nonuniformities in the distribution of light over a given spot in the spot calibration patterns vitiated any attempt at absolute calibration from the laboratory exposures. The nonuniform distribution of intensity occurred with nearly the same pattern on each spot, however. This condition permitted obtaining an accurate relative calibration by treating the measures made at the same relative location in each spot as a separate, independent set of calibration exposures. Each of these sets of measures had the same relative distribution in log exposure, but was subject to an unknown, arbitrary scaling in exposure, i.e., a common zero-point shift for all measures in the set. These several hundred sets of generally six or more points defining individual  $H + D$  curves (log relative exposure vs density) were combined into a single characteristic curve. This combined curve was constructed by superimposing points defined by the density = 1.0 intercept of a linear least squares fit of all points on the linear part of each curve. In this manner, a very sound relative  $H + D$  curve was determined for each of the calibration wavelengths. The resulting three-dimensional ( $D$ ,  $\log E$ ,  $\lambda$ ) surface was used as a grid from which a  $D_i$  entry followed by a  $\lambda_i$  entry yielded  $\log E_i$ .

### Background Subtraction

The hole pattern mottling in the background emulsion fog, associated with the hole pattern of the stainless steel backing plate immediately in front of the emulsion, showed the geometrical regularity of the hole pattern but virtually no regularity in its amplitude. This result caused considerable concern until it was determined from the flight calibration film (all of which showed the effect) that the variable background density due to the hole pattern added density as if it were caused by an actual exposure. Correcting

for this variable background was complicated also by the fact that the background exposure does not have a wavelength dependence as a function of position along the spectrum. It was therefore necessary to remove the hole pattern and sky background exposure contributions from the spectrum by using a single effective wavelength,  $\lambda_B$ . Background intensities were determined by using a linear interpolation between the smoothed background measured on each side of the spectrum. These interpolated values were subtracted from the spectrum intensities on a point-by-point basis. Spectrum intensities derived in this way were transformed back into effective densities using the same  $D\text{-log } E$  ( $\lambda_B$ ) curve. The corrected density then was used to enter the laboratory calibration  $\log E$  ( $\lambda$ ) curves again and obtain a final value for  $\log E_i$  ( $\lambda_i$ ). Any second-order error terms remaining were considered to be negligible with respect to the remaining uncertainties resulting from grain noise and small systematic errors possibly introduced at other places in the calibration. The resulting  $\log E$  values were corrected to relative intensity  $I$  using a first-approximation system sensitivity function.

### Saturation

The 101-06 emulsion displayed a very limited dynamic range,  $D_{\max}$  being approximately 2.2 for the SL2 and SL3 emulsion batch and 1.9 for the SL4 emulsion batch. Since the base fog level was about 0.6, the working range was small and it was necessary to extend the results as far as possible into the high-density regions. Comparison of data from strong and weak exposures on the same star showed that a systematic difference remained at densities greater than 1.4 after the basic  $D\text{-log } E$  calibration described. This difference was termed a saturation error. By using numerous cases of two or three exposures of differing duration on the same star, empirical corrections were derived and applied as a function of original measured density. Portions of the spectra to which significant saturation corrections were applied are identified in the catalog by the symbol "E," meaning that the spectrum was heavily exposed. These regions also are deweighted in the averaging process and, therefore, in the final result as shown in the catalog.

### Weighting

Weights were assigned initially to each measured data point based on the slope of the characteristic

curve at the measured density, normalized to a weight of 1.0 for the straight-line portion of the characteristic curve. Thus the extreme toe of the curve yielded zero weight. This procedure also resulted in the deepest parts of strong absorption lines being deweighted. Since more than 1000 individual spectra are represented in the data on 500 stars, the data for the majority of the stars represent the average of two or three spectra. The weighting of individual points is an important aspect of combining spectra having different exposure times since generally less than half of each spectrum is exposed optimally. The averaging program carefully rescales the spectra to best fit and generates a 50-point ramp through the transition regions to avoid step function artifacts.

### Field Corrections: Vignetting and Dispersion

System throughput and dispersion varied considerably with field position. Dispersion variations were measured throughout the field and conformed very closely to a relation of the form:

$$\lambda = f_{(x_0, y_0)}(s_{(x, y)} \Delta x) \quad (1)$$

where  $f_{(x_0, y_0)}$  is the dispersion function at  $(x_0, y_0)$ ,  $s_{(x, y)}$  is a scale factor ( $s_{(x_0, y_0)} = 1$ ), and  $\Delta x$  is the distance from the head of the spectrum. The empirical determination of  $f_{(x_0, y_0)}$  and  $s_{(x, y)}$  contains an implicit correction for the dispersion introduced by the field flattener and for classical prism magnification, which varied with field position. To minimize the effect of any residuals arising from equation 1, lines were used in the far-UV portion of the spectrum to establish a final zero-point calibration for each spectrum. Care was taken to avoid strong lines in stars of high luminosity because such lines are affected by Doppler shifts due to mass flow. The uncertainty in wavelength assignments is approximately 2 Å at 1550 Å and varies directly with dispersion (angstrom units per millimeter).

Vignetting in this instrument is particularly complex since some vignetting is introduced before reaching the prism, and some is introduced to the dispersed light, which is therefore wavelength dependent. The vignetting at various field angles and dispersion angles was studied geometrically. The results were combined in an algorithm that is accurate to better than 10 per-

cent of the absolute vignetting and better than 5 percent of the differential vignetting along the spectrum, over most of the field. The maximum differential in total vignetting along a spectrum can be as much as 0.5 of the local system throughput. Thus, in a typical spectrum uncertainties in vignetting can contribute as much as a 10-percent error in relative flux. In the extreme corners the situation is worsened by the rapid increase in vignetting which reduces the local throughput to about 0.4 of the on-axis value. The combined effects of both the magnitude of the vignetting and its uncertainty lead to an uncertainty in the flux measurement in a corner of the field of about 0.2 dex (0.5 mag). Analysis of the  $\log r$  values (section III) shows a systematic error of nearly this value at extreme negative  $X$  values (as defined in section IV) but no significant error for  $X > -12$  mm.

### Variations During Flight

Variations in system sensitivity which could be caused by changes in mirror reflectivity, prism transmission, or other factors not revealed in laboratory calibration of flight film were investigated by comparison of S-019 data with TD-1 and OAO-2 spectrometer observations. The OAO-2 results (ref. U29) provide greater wavelength coverage and resolution than TD-1 (ref. U30) but do not provide as large a sample of stars faint enough to be properly exposed on the S-019 film. There are significant differences between the two absolute calibrations, and corrections similar to those demonstrated previously (ref. 9) were adopted and applied to OAO-2 fluxes.

Such inflight variations were revealed by comparison of the spectral intensities (corrected for all of the described effects) with the spectrometer results for 49 stars. During SL3 an abrupt change in mirror reflectivity occurred on day 232 (August 20, 1973) when the mirror had been withdrawn into the cabin environment while still cold, causing condensation of cabin moisture on its reflecting surface. Careful study of this effect showed the abrupt sensitivity drop to have a sharp feature centered around 1430 Å which subsequently grew less pronounced over several weeks. A second term, varying more slowly with wavelength, showed gradually decreasing sensitivity throughout the mission. The SL4 mission used a new AMS mirror but showed a similar gradual decrease in sensitivity at wavelengths shorter than 1500 Å. These

effects were compensated for by applying empirical corrections as a function of exposure date.

### Reduction Process

The reduction process is carried out as follows:

1. Identify all stars with exposures at wavelengths shorter than 2000 Å. Select stars according to criteria outlined in section I.
2. Scan each spectrum of a given star with an 8- $\mu$ m step size along the spectrum and a 30- $\mu$ m step size across the spectrum using a 15  $\times$  30- $\mu$ m diamond-shaped aperture (typically 20 scans of 1000 points per scan). Also, make three background scans on each side of the spectrum.
3. Run raw density data through first-phase reduction, which corrects for background fog and produces log intensity output. The long-wavelength end of the spectrum is used for wavelength reference.
4. Edit the initial reduction results for effects of overlapping stars, eliminate excessively overexposed or underexposed regions, remove defects, etc. Assign the final wavelength zero-point correction.
5. Run the edited log  $I$  results for each spectrum through the flux calibration program and tabulate the flux as a function of the wavelength. Assign the intensity scale factor based on the number of scans used, if less than the full width of the spectrum.
6. Run the flux results for all spectra of a given star together with the original density and intensity values (for weight determination) through an averaging program. Produce the final flux values in catalog output format.

The results of applying this process to 1011 spectra of 492 stars are presented in the main catalog. The computer printout was produced by Sedgwick Printout Systems, Princeton, New Jersey, using tapes provided in ASCII format.

Intermediate results for three stars, before tabulation by wavelength and before averaging, are illustrated in figure 7. Fluxes derived from the individual exposures are plotted as a function of plate position along the spectrum, hence the nonlinear wavelength scale. The  $\log I$  values for  $\phi^1$  Ori were used along with values for many other stars in determining the absolute calibration, while the data for  $\iota$  Ori and  $\epsilon$  Ori,



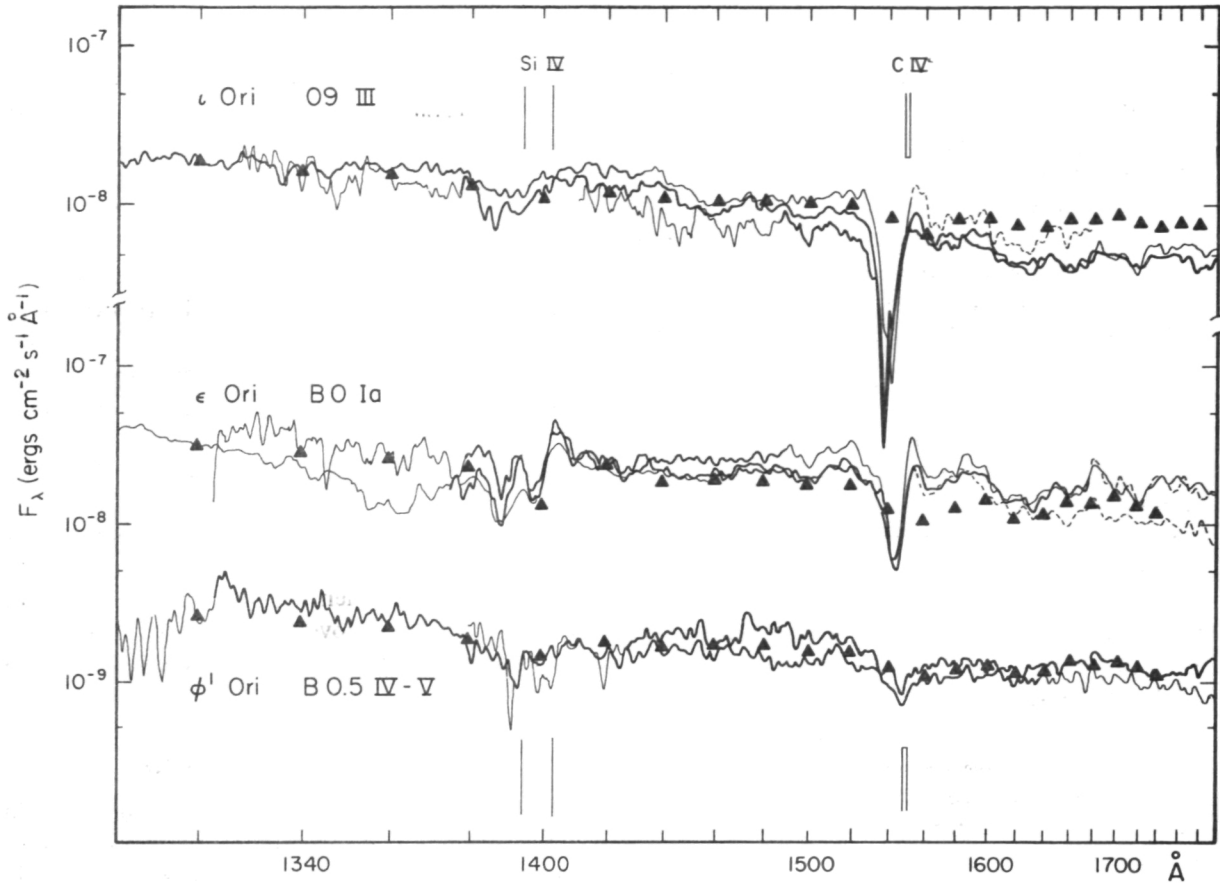


FIGURE 7.—Fluxes from individual S-019 exposures, on a logarithmic scale, vs the prismatic wavelength scale. Underexposed or overexposed portions of each spectrum are shown with thinner curves. Dashed curves indicate regions where substantial saturation corrections were applied. Triangles show the OAO-2 fluxes tabulated previously (U29, table 8) but adjusted to the TD-1 flux scale.

showing pronounced P Cygni profiles due to mass loss, were not employed in the calibration. The agreement with the TD-1 flux scale is rather good over

most of the range of the spectra. Plots of averaged flux vs wavelength will be shown for many of the stars in the catalog in future publications.

### III. Supplementary Data and Statistical Summary

This section includes tables containing exposure data, brief statistics on numbers of stars of various spectral types represented in the catalog, auxiliary data from various sources, a discussion of corrections to absolute flux, and an assessment of errors and estimates of overall precision of the tabulated fluxes. Concluding this section are tables including an index of references for each star and an addendum of references not listed in the Telescope reference base.

#### Exposure Data

Table 1 contains all data relevant to the individual film exposures for Experiment S-019, including calibration frames. Each exposure has a unique **frame** number (column headings in tables are boldface in the text), which contains the appropriate mission designation SL2, SL3, or SL4. The celestial orientation of Skylab was often uncertain by  $1^\circ$  or more, so all field **centers** were determined with the Bečvář atlases (ref. Z02). On the prism exposures, the highly compressed optical end (head) of the spectrum, ending near 5000 Å, was used for positional reference. The centers usually could be determined within an uncertainty of about 0.5 min in R.A. and 5 arc min in declination. The values for equinox 1950 are given to the nearest  $1^m$  and  $0.1$ , respectively.

Each target **field** has a three- or four-character designation for internal use. The serial number of the film canister is given. The **tilt** angle refers to the Articulated Mirror System. At  $0^\circ$  tilt the line of sight makes an angle of  $30^\circ$  with respect to the spacecraft wall, and vice versa. The position angle  $\angle$  gives the orientation toward north from the field center. With the frame oriented as in figure 3 so that shorter wavelengths in a spectrum are toward the left, then  $\angle = 0^\circ$  if north is toward the top and  $90^\circ$  if north is toward the right of the frame.

The calendar **date** is composed of year, month, and day (UT). The **UT time** given for the start of each **exposure** also includes the day of the year since January 0.0. Start and end times usually could be determined to the nearest second from verbal "marks"

given by the astronaut and recorded on two-track tape, the second track containing a time signal. Sometimes this information was lost, in which case the planned start time is given to the nearest minute and should be within 2 min of the actual start of the observation. The planned, nominal **exposure** time is given in seconds, followed by the actual measured duration in seconds when it could be determined from the tape recordings. The spectrum-widening mechanism ran faster than anticipated but not by a fixed percentage. The average durations of nominal 270-, 90-, and 30-sec widened exposures were 225, 77, and 28 sec, respectively. These values are assumed whenever accurate information is lacking. These values do not apply, however, if a "U" (unwidened) or "N" (no prism, direct photograph) appears after the nominal time. When the spectrum-widening mechanism was not employed, timing was done with a watch and the duration was very close to the nominal value.

#### Spectral Type Statistics

Table 2 gives statistics taken from table 3 on the spectral types of the 492 stars in the catalog. By far the most numerous are early B-type stars near the main sequence. Significant samples of supergiant stars and various peculiar types were observed. The stars X Per and P Cyg comprise the category "O/B p." A few other stars have no luminosity classification, so the total shown at each temperature class is not necessarily the sum of the previous two numbers. The coolest stars measured were  $\alpha$  Cen (G2 V) and  $\alpha$  Aur (G5 III + g G0). Many other G, K, and M stars are contained in table 3, but the flux measurements are dominated by their early-type secondaries.

#### Supplementary Stellar Data

Table 3 summarizes other information on the stars. The data base for these stars was compiled as described in reference 10. Major sources were: (1) The "Telescope Identification Catalog" (CDL-100,



TABLE 1.—Exposure data for Skylab missions SL2, SL3, and SL4

FRAME	CENTER(1950)	FIELD	DATE	UT TIME	F.C.	TILT	<	EXPO	SEC	REMARKS
SL2-001		CAL.	730515		005					FLIGHT
SL2-002	10:30 -61.4	341	730605	156:20:10:47	005	12.8	87	270U	272	ROT OFF 2 DEG
SL2-003	11:58 -65.5	360	730605	156:20:16:27	005	2.7	56	270	212	ROT OFF 2 DEG
SL2-004	11:14 -62.6	353	730605	156:20:20:32	005	8.0	78	270	224	ROT OFF 2
SL2-005	(20:48 +45.6)	595	730605	156:20:25:03	005	26.9		270	216	HIFOG, OFF 2
SL2-006	(20:18 +38.8)	583	730605	156:20:29:12	005	18.2		270	213	HIFOG, OFF 2
SL2-007	3:51 -70.6	897	730606	157:20:59:	005	25.8	147	270U	(270)	FOGGED
SL2-008	10:35 -60.0	341	730606	157:21:05:48	005	13.3	91	270	256	
SL2-009	10:35 -60.0	341	730606	157:21:10:41	005	13.3	91	90	87	
SL2-010	09:02 -60.1	338	730606	157:21:13:04	005	23.6	109	270	215	
SL2-011	09:02 -60.1	338	730606	157:21:16:56	005	23.6	109	90		
SL2-012	20:09 +36.3	597	730606	157:21:19:06	005	14.5	47	270	221	->580+583
SL2-013	21:19 +35.8	603	730606	157:21:23:52	005	25.3	66	270	222	
SL2-014	21:19 +35.8	603	730606	157:21:27:49	005	25.3	66	90	72	
SL2-015	20:56 +44.8	596	730606	157:21:29:51	005	26.9	55	270	201	->595+601
SL2-016	20:20 +47.8	584	730606	157:21:32	005	24.2	43	90		END: 21:35:01
SL2-017	10:33 -78.6	001	730617	168:11:52	005	10.9		90N		CHA T-ASSOC.
SL2-018	10:47 -78.8	(002)	730617	168:11:54	005	9.9		30N		
SL2-019	10:57 -77.8	(003)	730617	168:11:55	005	9.9		90N		
SL2-020	12:23 +01.0	004	730617	168:11:57	005	19.2		30N		ED23
SL2-021	12:25 +01.7	(005)	730617	168:11:58	005	19.2		90N		
SL2-022	12:19 +01.5	(006)	730617	168:12:00	005	20.2		90N		
SL2-023	14:12 +24.0	007	730617	168:12:02	005	8.2		30N		ED23
SL2-024	14:15 +24.9	(008)	730617	168:12:03	005	8.2		90N		
SL2-025	14:10 +24.6	(009)	730617	168:12:05	005	9.2		90N		
SL2-026	13:53 +53.5	912	730617	168:12:07	005	30.4		90N		
SL2-027	12:18 +14.6	912	730617	168:12:09	005	30.4		90N		
SL2-028	13:19 +46.3	911	730617	168:12:11	005	29.8		90N		
SL2-029	13:19 +46.3	911	730617	168:12:13	005	29.8		90N		
SL2-030	23:07 +09.8	010	730617	168:12:15	005	27.5		30N		ED23
SL2-031	23:09 +09.1	(011)	730617	168:12:16	005	27.5		90N		
SL2-032	23:10 +10.3	(012)	730617	168:12:18	005	28.5		90N		
SL2-033	5:38 -68.4	930	730617	168:16:32	005	28.9		90N		LMC
SL2-034	5:38 -68.4	930	730617	168:16:34	005	28.9		30N		
SL2-035	5:16 -68.3	931	730617	168:16:35	005	28.9		90N		LMC
SL2-036	5:16 -68.3	931	730617	168:16:37	005	28.9		30N		
SL2-037	4:58 -68.1	932	730617	168:16:38	005	28.9		30N		LMC
SL2-038	12:28 +20.0	909	730617	168:16:39	005	26.3		90N		
SL2-039	17:00 +61.0	913	730617	168:16:41	005	23.9		90N		
SL2-040	12:18 +14.6	906	730617	168:16:43	005	26.1		90N		
SL2-041	12:18 +14.6	906	730617	168:16:45	005	26.1		90N		
SL2-042	12:27 +13.0	907	730617	168:16:47	005	23.1		90N		
SL2-043	12:27 +13.0	907	730617	168:16:49	005	23.1		90N		
SL2-044	22:00 +43.3	918	730617	168:16:51	005	29.6		90N		
SL2-045	22:00 +41.9	917	730617	168:16:53	005	28.6		90N		
SL2-046		CAL.	730629		005					FLIGHT
SL2-047		CAL.	730629		005					FLIGHT
SL2-048		CAL.	730702		005					LAB
SL3-001	12:20 -64.4	367	730804	216:21:07:04	005	29.6	107	30	26	
SL3-002	12:48 -60.7	371	730804	216:21:14	005	29.3	104	270	(200)	
SL3-003	13:52 -46.7	382	730804	216:21:18	005	28.2	111	270	(200)	
SL3-004	14:45 -16.0	408	730804	216:21:23	005	28.1	138	270	(200)	
SL3-005	12:31 -68.5	369	730804	216:21:27	005	26.0	106	270	(270)	ATM. EXT., END: 21:31:55
SL3-006	22:32 +39.1	620	730804	216:21:33:46	005	0.3	13	270	269	
SL3-007	13:58 -61.1	383	730810	222:18:28:41	005	25.5	104	270	221	
SL3-008	13:58 -61.1	383	730810	222:18:32:50	005	25.5	104	90	76	
SL3-009	13:58 -61.1	383	730810	222:18:34:22	005	25.5	104	30	28	
SL3-010	14:19 -46.8	401	730810	222:18:35:50	005	28.7	115	270	218	
SL3-011	14:24 -41.6	403	730810	222:18:40:29	005	29.7	119	270	222	
SL3-012	14:54 -44.3	409	730810	222:18:45:11	005	23.5	111	270	222	
SL3-013	14:54 -44.3	409	730810	222:18:49:09	005	23.5	111	90	77	
SL3-014	14:54 -44.3	409	730810	222:18:50:43	005	23.5	111	30	29	ATM. EXT.
SL3-015	15:57 -14.4	424	730810	222:18:52:18	005	17.4	146	270	202	
SL3-016	15:57 -14.4	424	730810	222:18:56:08	005	17.4	146	90	76	
SL3-017	23:33 +44.0	629	730810	222:18:58:35	005	6.8	32	270	218	
SL3-018	14:40 -37.3	407	730810	222:20:01:14	005	28.0	124	270	265	
SL3-019	20:17 +45.5	584	730810	222:20:06:59	005	3.0	302	270	265	
SL3-020	20:17 +45.5	584	730810	222:20:11:52	005	3.0	302	90	78	
SL3-021	20:48 +45.6	595	730810	222:20:14:21	005	1.9	320	270	225	
SL3-022	20:48 +45.6	595	730810	222:20:18:22	005	1.9	320	90	77	
SL3-023	20:48 +45.6	595	730810	222:20:19:53	005	1.9	320	30	28	
SL3-024	18:37 +39.0	556	730810	222:20:21:38	005	7.0	252	270	227	
SL3-025	18:37 +39.0	556	730810	222:20:25:38	005	7.0	252	90	78	
SL3-026	18:37 +39.0	556	730810	222:20:27:12	005	7.0	252	30	28	
SL3-027	19:53 +47.8	576	730810	222:20:28:41	005	6.8	290	270	230	
SL3-028	19:53 +47.8	576	730810	222:20:32:46	005	6.8	290	90	77	
SL3-029	13:13 -66.6	375	730810	222:21:35:29	005	27.0	106	270	239	
SL3-030	13:13 -66.6	375	730810	222:21:40:01	005	27.0	106	90	82	
SL3-031	14:06 -56.0	401	730810	222:21:42:18	005	26.7	107	270	231	
SL3-032	14:29 -49.2	405	730810	222:21:47:06	005	26.1	111	270	235	
SL3-033	14:29 -49.2	405	730810	222:21:51:16	005	26.1	111	30	30	
SL3-034	18:51 +33.1	560	730810	222:21:52:54	005	0.4	250	270	227	
SL3-035	21:10 +44.9	601	730810	222:21:57:32	005	0.0	325	270	232	
SL3-036	21:10 +44.9	601	730810	222:22:01:40	005	0.0	325	30	28	
SL3-037	22:55 +42.5	623	730810	222:22:03:19	005	2.2	18	270U	70	
SL3-038	22:55 +42.5	623	730810	222:22:07:01	005	2.2	18	90	78	
SL3-039	10:02 -81.4	819	730813	225:00:51:	005	23.1	134	270		FOGGED
SL3-040	15:44 -03.8	840	730813	225:00:56:05	005	25.3	152	270	230	FOGGED
SL3-041	15:02 -48.9	411	730813	225:01:01:04	005	22.9	107	270	227	FOGGED
SL3-042	15:20 -41.7	415	730813	225:01:05:54	005	21.4	113	270		HIFOG
SL3-043	15:20 -41.7	415	730813	225:01:09:57	005	21.4	113	90	78	FOGGED
SL3-044		(701)	730813	225:01:12	005	28.2		270U		HI FOG, EARTH
SL3-045		(701)	730813	225:01:17	005	28.2		270U		HI FOG, EARTH
SL3-046		(701)	730813	225:01:22	005	28.2		180U		FOGGED, EARTH
SL3-047		433	730815	227:13:28	005	8.5		270		NO IMD
SL3-048		433	730815	227:13:35	005	8.5		270		NO IMD
SL3-049		435	730815	227:13:41	005	7.5		270		NO IMD
SL3-050		435	730815	227:13:47	005	7.5		270U		NO IMD
SL3-051		435	730815	227:13:51	005	7.5		90		NO IMD
SL3-052		417	730815	227:13:54	005	20.6		270		FOGGED, NO IMD
SL3-053	15:09 -60.8	707	730815	227:22:48	005	21.0	90	270		
SL3-054	15:09 -60.8	707	730815	227:22:52	005	21.0	90	90		

TABLE 1.—Exposure data for Skylab missions SL2, SL3, and SL4—Continued

FRAME	CENTER(1950)	FIELD	DATE	UT TIME	F.C.	TILT	<	EXPO	SEC	REMARKS
SL3-055	14:34 -62.6	705	730815	227:22:54	005	24.5	92	270		
SL3-056	14:34 -62.6	705	730815	227:22:58	005	24.5	92	90		
SL3-057	14:34 -62.6	705	730815	227:23:00	005	24.5	92	30		
SL3-058	15:17 -45.9	413	730815	227:23:01	005	23.5	106	270		
SL3-059	15:17 -45.9	413	730815	227:23:05	005	23.5	106	90		
SL3-060	22:18 +47.6	616	730815	227:23:07	005	2.6	346	270		
SL3-061	22:18 +47.6	616	730815	227:23:11	005	2.6	346	90		
SL3-062	21:38 +49.7	611	730815	227:23:13	005	4.1	327	270		
SL3-063	16:43 -49.7	433	730816	228:19:01	005	9.6	79	270		SEE ALSO SL3-076
SL3-064	16:28 -44.6	431	730816	228:19:06	003	12.2	88	270		
SL3-065	16:28 -44.6	431	730816	228:19:10	005	12.2	88	90		
SL3-066	15:53 -25.9	419	730816	228:19:12	005	21.7	118	270		
SL3-067	15:53 -25.9	419	730816	228:19:16	005	21.7	118	90		
SL3-068	15:53 -25.9	419	730816	228:19:18	005	21.7	118	30		
SL3-069	17:08 -34.9	451	730816	228:19:19	005	4.8	94	270		
SL3-070	1:06 +60.1	061	730816	228:19:23	005	24.4	26	270		
SL3-071	1:06 +60.1	061	730816	228:19:27	005	24.4	26	90		
SL3-072	16:21 -49.0	427	730816	228:23:41	005	13.4	85	270		
SL3-073	16:21 -49.0	427	730816	228:23:45	005	13.4	85	90		
SL3-074	16:21 -26.2	429	730816	228:23:47	005	15.5	104	270		
SL3-075	16:21 -26.2	429	730816	228:23:51	005	15.5	104	90		
SL3-076	16:43 -49.7	433	730816	228:23:53	005	9.7	79	270U (270)		
SL3-077	17:22 -46.8	453	730816	228:23:59	005	3.1	77	270U (270)		
SL3-078	23:57 +57.7	633	730817	229:00:04	005	16.7	10	270		
SL3-079	23:57 +57.7	633	730817	229:00:08	005	16.7	10	90		
SL3-080	00:46 -72.2	261	730817	229:19:55:04	005	5.7		90N	88	ED26
SL3-081	00:50 -73.9	261A	730817	229:19:57:02	005	7.1		90N	91	
SL3-082	01:13 -72.6	261B	730817	229:19:59:13	005	7.5		90N	89	
SL3-083	14:47 -65.3	264	730817	229:20:01:18	005	24.4		90N	89	ED26
SL3-084	14:49 -67.4	264A	730817	229:20:03:33	005	23.7		90N	90	
SL3-085	14:56 -65.2	264B	730817	229:20:05:33	005	23.5		90N	91	
SL3-086	16:18 -16.1	2615	730817	229:20:07:40	005	18.1		90N	91	ED26
SL3-087	16:13 -15.9	2615	730817	229:20:09:23	005	19.1		90N	89	
SL3-088	16:18 -15.2	2615	730817	229:20:11:17	005	18.1		90N	89	
SL3-089	16:56 +35.0	2611	730817	229:20:13:15	005	22.4		90N	92	ED26
SL3-090	16:51 +35.3	2611	730817	229:20:15:08	005	23.4		90N	89	
SL3-091	16:55 +35.0	2611	730817	229:20:16:56	005	22.4		90N	90	
SL3-092	16:55 +35.0	2611	730817	229:20:18:48	005	22.4		90N	78	EXTRA WIDENED
SL3-093	15:53 -41.6	423	730820	232:13:18:47	003	22.4		90N	89	FOGGED
SL3-094	15:49 -40.5	423	730820	232:13:21:29	003	23.4		90N	90	
SL3-095	17:41 -38.1	M7A	730820	232:13:23:46	003	2.0		90N	89	
SL3-096	17:49 -38.3	M7B	730820	232:13:26:02	003	0.1		90N	91	
SL3-097	2:37 +03.1	G68	730820	232:13:28:20	003	11.9		90N	90	ED23
SL3-098	2:38 +02.1	G68	730820	232:13:30:14	003	11.9		90N	91	
SL3-099	2:40 +03.3	G68	730820	232:13:32:21	003	12.9		90N	92	
SL3-100	3:11 +44.8	G75	730820	232:13:34:32	003	30.6		90N	91	ED23
SL3-101	3:13 +43.7	G75	730820	232:13:36:26	003	30.6		90N	90	
SL3-102	3:08 +44.6	G75	730820	232:13:38:27	003	29.6		90N	77	
SL3-103	16:48 -43.4	435	730820	232:16:23:14	003	11.9	69	270	233	
SL3-104	16:48 -43.4	435	730820	232:16:27:27	003	11.9	69	270U	271	
SL3-105	15:57 -22.9	425	730820	232:16:32:59	003	24.8	111	270	233	
SL3-106	15:57 -22.9	425	730820	232:16:37:06	003	24.8	111	90	80	ATM. EXT.
SL3-107	17:52 +00.4	847	730820	232:16:40:35	003	2.0	132	270	231	BLANK
SL3-108	15:42 -36.4	417	730821	233:14:12:09	003	26.1	81	270		
SL3-109	17:27 +09.0	845	730821	233:14:17:09	003	10.8	134	270	243	
SL3-110	17:27 +09.0	845	730821	233:14:21:26	003	10.8	134	90	82	
SL3-111	17:27 +09.0	845	730821	233:14:23:43	003	11.1		270	238	H1 FOG
SL3-112	15:57 -38.8	423	730822	234:18:11:20	003	23.8	65	270	239	H1 FOG
SL3-113	15:57 -38.8	423	730822	234:18:15:27	003	23.8	65	90	236	(FOGGED)
SL3-114	18:28 +53.6	555	730822	234:18:17:26	003	19.3	193	270	228	SL. ATM. EXT.
SL3-115	21:16 +62.1	605	730822	234:18:21:59	003	14.4	261	270	235	FOGGED
SL3-116	22:11 +66.5	613	730822	234:18:26:30	003	18.3	284	270	235	(FOGGED)
SL3-117	17:27 -38.8	457	730822	234:21:18	003	6.7	47	270		
SL3-118	17:27 -38.8	457	730822	234:21:22	003	6.7	47	90		
SL3-119	17:27 -38.8	457	730822	234:21:24	003	6.7	47	30		
SL3-120	17:27 -38.8	457	730822	234:21:26	003	11.0	255	270		
SL3-121	22:55 +50.0	625	730822	234:21:30	003	2.7	295	270		
SL3-122	0:37 +55.3	055	730822	234:21:35	003	14.1	334	270		
SL3-123	16:57 -37.3	437	730823	235:01:58:32	003	12.8	49	270	233	
SL3-124	16:57 -37.3	437	730823	235:02:02:38	003	12.8	49	90	82	
SL3-125	22:02 +63.1	612	730823	235:02:04:50	003	14.7	263	270		
SL3-126	0:24 +51.8	053	730823	235:02:09	003	10.2	326	270		
SL3-127	0:51 +48.3	057	730823	235:02:13	003	10.3	342	270		
SL3-128	18:13 -51.4	469	730823	235:12:52:56	003	1.6	12	270	234	END:02:17:52
SL3-129	18:13 -51.4	469	730823	235:12:57:02	003	1.6	12	90	98	SL. ATM. EXT.
SL3-130	03:46 +23.9	107	730823	235:12:59:22	003	30.4	52	270	231	ATM. EXT.
SL3-131	03:46 +23.9	107	730823	235:13:03:28	003	30.4	52	90	81	
SL3-132	03:46 +23.9	107	730823	235:13:05:01	003	30.4	52	30		
SL3-133	02:17 +08.9	151	730823	235:13:06:17	003	5.6	60	270	233	
SL3-134	02:17 +08.9	151	730823	235:13:10:25	003	5.6	60	90	80	
SL3-135	02:17 +08.9	151	730823	235:13:12:01	003	5.6	60	30	30	
SL3-136	18:01 -24.4	M8A	730825	237:13:02:02	003	2.6		90N	89	
SL3-137	18:00 -23.1	M8B	730825	237:13:04:01	003	2.6		90N	90	
SL3-138	02:17 +56.8	67A	730825	237:13:06:17	003	22.0		90N	90	
SL3-139	02:11 +56.4	67B	730825	237:13:08:17	003	21.0		90N	90	
SL3-140	01:31 +29.9	949	730825	237:13:10:42	003	0.0		270N	269	M33
SL3-141	00:43 +41.4	950	730825	237:13:15:53	003	0.6		270N (270)		M31
SL3-142	02:33 -44.0	806	730825	237:13:21	003	5.4		90N		CC ERI
SL3-143	02:33 -44.0	806	730825	237:13:23	003	5.4		90N		
SL3-144	02:33 -44.0	806	730825	237:13:25	003	5.4		90N		
SL3-145	18:10 -21.6	C80	730828	240:14:03:29	003	3.6		90N	90	SHUTTER PT. CLOSED
SL3-146	18:10 -21.6	C80	730828	240:14:05:13	003	3.6		600N	600	
SL3-147	03:46 +24.1	C13	730828	240:14:16:11	003	23.0		30N	30	PLEIADES
SL3-148	03:46 +24.1	C13	730828	240:14:16:52	003	23.0		600N	601	
SL3-149	05:35 -68.2	C101	730828	240:14:28:12	003	28.2		240N	181	
SL3-150	16:31 -29.2	L2	730828	240:18:43:35	003	24.0	31	270	227	
SL3-151	16:32 -28.9	L2	730828	240:18:47:42	003	24.0	31	30	28	
SL3-152	18:16 -19.2	CL4	730828	240:18:48:57	003	0.9	33	270	226	
SL3-153	21:01 +60.1	CL5	730828	240:18:53:26	003	11.3	203	270	227	
SL3-154	23:05 +62.3	N35	730828	240:18:57:49	003	11.9	242	720U	720	
SL3-155		L2	730828	240:19:11:30	003			90		BLANK
SL3-156	17:38 -33.9	461	730828	240:23:23:32	003	9.7	15	270	223	

TABLE 1.—Exposure data for Skylab missions SL2, SL3, and SL4—Continued

FRAME	CENTER (1950)	FIELD	DATE	UT TIME	F.C.	TILT	<	EXPO	SEC	REMARKS
SL3-159	17:38 -33.9	461	730828	240:23:27:49	003	9.7	15	270U	270	
SL3-160	19:46 +38.6	577	730828	240:23:33:03	003	0.0	144	270	227	
SL3-161	00:15 +64.3	051	730828	240:23:37:38	003	15.9	88	270	227	
SL3-162	02:20 +58.1	067	730828	240:23:42:05	003	21.6	317	270U	270	
SL3-163	02:21 +08.6	151	730828	240:23:47:14	003	0.5	25	270U	269	
SL3-164	17:57 -34.8	465	730829	241:19:39	003	7.1	11	270		
SL3-165	17:57 -34.8	465	730829	241:19:43:35	003	7.1	11	270U	272	
SL3-166	18:00 +20.7	551	730829	241:19:48:55	003	12.7	86	270	227	
SL3-167	18:52 +36.6	562	730829	241:19:53:25	003	8.1	121	270	220	
SL3-168	19:31 +43.8	570	730829	241:19:57:42	003	6.1	142	270	219	
SL3-169	19:31 +43.8	570	730829	241:20:01:34	003	6.1	142	90		ATM. EXT.
SL3-170	( 2:35 -44.0)	806	730829	241:20:03:51	003	2.8	114	120U	120	(FOGGED)
SL3-171	16:31 -11.5	432	730830	242:01:48:28	003	28.0	43	270	222	
SL3-172	16:31 -11.5	432	730830	242:01:52:27	003	28.0	43	90	77	
SL3-173	16:31 -11.5	432	730830	242:01:54:04	003	28.0	43	30	27	
SL3-174	18:00 +28.5	552	730830	242:01:55:16	003	15.2	90	270	221	
SL3-175	3:08 -18.5	154	730830	242:01:59:35	003	7.2	66	270	219	OFF 200, <-560
SL3-176	3:08 -18.5	154	730830	242:02:03:30	003	7.2	66	90	(77)	OFF 200, <-560
SL3-177	21:07 +69.0	608	730830	242:02:05:45	003	19.1	12	270	220	
SL3-178	21:07 +69.0	608	730830	242:02:09:40	003	19.1	12	90	78	
SL3-179	3:52 +31.5	109	730830	242:02:11:53	003	26.3	5	270	226	
SL3-180	3:52 +31.5	109	730830	242:02:15:51	003	26.3	5	90	77	
SL3-181	3:52 +31.5	109	730830	242:02:17:16	003	26.3	5	30	29	
SL3-182	17:45 -41.6	463	730830	242:12:40	003	10.9	3	270		
SL3-183	17:45 -41.6	463	730830	242:12:44:19	003	10.9	3	90	78	
SL3-184	17:45 -41.6	463	730830	242:12:45:50	003	10.9	3	30	28	
SL3-185	17:59 -24.8	467	730830	242:12:47:09	003	6.6	23	270	226	
SL3-186	17:59 -24.8	467	730830	242:12:51:43	003	6.6	23	270U	273	
SL3-187	1:43 +52.5	065	730830	242:12:57:17	003	13.5	309	270	231	
SL3-188	3:59 +35.9	111	730830	242:13:02:00	003	28.3	358	270	230	
SL3-189	3:14 +41.3	100	730830	242:13:06:31	003	21.0	341	270	226	
SL3-190	3:14 +41.3	100	730830	242:13:10:31	003	21.0	341	90	77	
SL3-191	3:14 +41.3	100	730830	242:13:11:59	003	21.0	341	30	29	(FOGGED), SUNRISE
SL3-192	17:27 -25.9	455	730830	242:14:13	003	14.2	24	270		
SL3-193	17:27 -25.9	455	730830	242:14:17	003	14.2	24	90		
SL3-194	17:27 -25.9	501	730830	242:14:19	003	3.9	29	270		
SL3-195	18:13 -20.5	501	730830	242:14:23	003	3.9	29	90		
SL3-196	18:13 -20.5	501	730830	242:14:25	003	3.9	29	270U	(270)	
SL3-197	3:38 +35.6	103	730830	242:14:30	003	24.2	359	270		
SL3-198	2:59 +54.6	069	730830	242:14:35	003	23.5	328	270		
SL3-199	2:59 +54.6	069	730830	242:14:39	003	23.5	328	90		
SL3-200	18:51 -62.7	850	730830	242:14:41	003	7.0	313	270		
SL3-201	16:58 -36.5	437	730901	244:22:08:10	003	21.9	11	270U	(270)	
SL3-202	16:58 -36.5	437	730901	244:22:12	003	21.9	11	270		
SL3-203	3:52 +22.5	107	730901	244:22:17:34	003	21.3	4	270	226	
SL3-204	3:52 +22.5	107	730901	244:22:21:38	003	21.3	4	270U	270	
SL3-205	3:52 +22.5	107	730901	244:22:26	003	21.3	4	90		
SL3-206	3:52 +22.5	107	730901	244:22:27:45	003	21.3	4	30	29	
SL3-207	3:33 +47.9	101	730901	244:22:29:03	003	24.6	332	270	224	
SL3-208	18:29 -44.3	471	730901	244:22:33:30	003	5.6	342	270	225	
SL3-209	16:59 -56.9	715	730901	244:22:37:55	003	21.1	348	270	223	
SL3-210	18:28 -33.8	473	730901	244:23:43:15	003	3.4	0	270	228	
SL3-211	18:29 -35.1	473	730901	244:23:47:32	003	3.4	0	90		
SL3-212	18:29 -35.1	473	730901	244:23:49	003	3.4	0	30		
SL3-213	3:54 +47.7	108	730901	244:23:50:17	003	27.4	341	270	227	
SL3-214	3:54 +47.7	108	730901	244:23:54:17	003	27.4	341	90	78	
SL3-215	3:29 +10.1	157	730901	244:23:56:22	003	13.8	20	270	269	
SL3-216	3:29 +10.1	157	730902	245:00:42:22	003	13.8	20	90	78	
SL3-217	4:33 +14.9	165	730902	245:00:04:08	003	29.7	20	270	224	
SL3-218	4:33 +14.9	165	730902	245:00:08:03	003	29.7	20	90	(80)	
SL3-219	4:33 +14.9	165	730902	245:00:09	003	29.7	20	270U	(270)	
SL3-220	3:50 +24.2	C107	730903	246:19:11:28	003	19.5	5	900U	899	
SL3-221	5:43 -68.8	LMC	730903	246:19:27:41	003	27.4	99	960U	960	
SL3-222	21:50 +62.6	L3	730905	248:00:42:11	003	10.2	193	270U	272	
SL3-223	4:29 +15.7	HYD1	730905	248:00:47:35	003	25.8	17	600U	588	
SL3-224	16:42 -58.8	L1	730905	248:00:57:57	003	25.1	348	270U	270	
SL3-225	4:00 +36.1	CLN	730905	248:01:03:00	003	23.0	347	720U	719	
SL3-226	20:47 +68.2	N3	730905	248:02:15:15	003	17.7	352	960U	(960)	
SL3-227	2:51 +61.2	N4	730905	248:02:32:11	003	21.6	306	960U	(960)	
SL3-228	17:54 -35.4	M7C	730905	248:13:09:16	003	14.2	5	960U	962	
SL3-229	18:03 -25.0	M8A	730905	248:13:26:17	003	11.6	960U	948		HI FOG
SL3-230	18:49 +32.3	N9	730905	248:14:41:08	003	9.9	95	960U	956	WELL WIDENED
SL3-231	4:16 -22.5	N7	730905	248:14:58:20	003	18.2	61	960U	960	
SL3-232	18:16 -16.8	N6	730905	248:21:06:09	003	8.9	22	960U	960	FOGGED
SL3-233	0:51 -73.3	SMC	730905	248:21:24:02	003	8.8	187	270U	269	
SL3-234	0:02 +73.5	N8	730907	250:00:53:10	003	19.6	232	960U	973	
SL3-235	0:52 -73.1	SMC	730907	250:01:10:01	003	9.1	187	900U	900	
SL3-236	4:13 +52.1	113	730911	254:16:42:16	005	23.7	335	270	242	(FOGGED)
SL3-237	4:18 +47.6	115	730911	254:16:46:52	005	23.1	342	270	222	(FOGGED)
SL3-238	3:29 +49.8	101	730911	254:16:51:22	005	16.4	328	270U	269	(FOGGED)
SL3-239	19:19 +20.9	565	730911	254:16:56:34	005	5.3	85	270	227	(FOGGED)
SL3-240	17:09 -34.3	451	730911	254:17:00:56	005	29.2	15	270	222	
SL3-241	5:02 -05.7	169	730911	254:17:05:16	005	25.8	51	270	221	
SL3-242	5:02 -05.7	169	730911	254:17:09:09	005	25.8	51	90	81	
SL3-243	5:03 +42.2	119	730911	254:17:11:02	005	30.6	0	270	225	
SL3-244	19:48 +33.5	575	730914	257:19:17:06	005	3.3	110	270U	301	
SL3-245	20:04 +35.2	580	730914	257:19:23:09	005	1.0	120	270	223	
SL3-246	20:04 +35.2	580	730914	257:19:27:07	005	1.0	120	270U	268	
SL3-247	19:24 -42.7	480	730914	257:19:32:14	005	6.8	348	270	218	
SL3-248	5:23 -00.5	207	730914	257:19:36:23	005	29.0	52	270	218	
SL3-249	5:23 -00.5	207	730914	257:19:40:11	005	29.0	52	90	78	
SL3-250	5:23 -00.5	207	730914	257:19:41:40	005	29.0	52	30	28	
SL3-251	5:21 +05.4	205	730914	257:19:42:42	005	28.9	47	270	220	
SL3-252	5:21 +05.4	205	730914	257:19:46:34	005	28.9	47	90	76	
SL3-253	5:21 +05.4	205	730914	257:19:48:00	005	28.9	47	30	27	
SL3-254	19:01 -20.4	509	730915	258:01:31:31	005	7.4	22	270U		225 OR 285 SEC
SL3-255	20:14 +38.2	583	730915	258:01:36:40	005	0.7	122	270	222	
SL3-256	20:14 +38.2	583	730915	258:01:40:37	005	0.7	122	270U	270	
SL3-257	5:15 -14.9	203	730915	258:01:46:13	005	25.9	64	270	227	ATM. EXT.:
SL3-258	4:23 +21.7	117	730915	258:01:51:07	005	16.0	21	270	225	
SL3-259	4:23 +21.7	117	730915	258:01:55:03	005	16.0	21	270U	268	
SL3-260	5:22 +34.1	123	730915	258:02:00:29	005	30.5	8	270	147	
SL3-261	18:59 +12.1	512	730921	264:08:19:00	003	13.4	98	270	242	
SL3-262		512	730921	264:08:46:29	003		30	30		BLANK
SL3-263	18:47 +32.9	560	730921	264:09:56:32	003	18.3	98	270	232	

TABLE 1.—Exposure data for Skylab missions SL2, SL3, and SL4—Continued

FRAME	CENTER(1950)	FIELD	DATE	UT TIME	F.C.	TILT	<	EXPO	SEC	REMARKS
SL3-264	5:38 -02.1	215	730921	264:10:01:18	003	26.5	92	270	236	
SL3-265	5:38 -02.1	215	730921	264:10:05:26	003	26.5	92	90	80	
SL3-266	5:38 -02.1	215	730921	264:10:07:01	003	26.5	92	30	30	
SL3-267	5:33 -07.0	211	730921	264:10:08:12	003	25.2	97	270	269	
SL3-268	5:33 -07.0	211	730921	264:10:12:55	003	25.2	97	90		
SL3-269	5:33 -07.0	211	730921	264:10:14	003	25.2	97	30		
SL3-270		CAL.	731003		003					LAB
SL3-271		CAL.	731002		003					FLIGHT
SL3-272		CAL.	731003		003					FLIGHT
SL3-273		CAL.	730625		003					FLIGHT
SL3-274		CAL.	730625		003					FLIGHT
SL3-275		CAL.	730628		005					FLIGHT
SL3-276		CAL.	730622		005					FLIGHT
SL3-277		CAL.	731005		005					LAB
SL3-278		CAL.	731009		005					FLIGHT
SL3-279		CAL.	731009		005					FLIGHT
SL4-001	5:06 +47.7	122	731125	329:22:25:40	003	16.3	280	270	265	110 PERCENT
SL4-002	5:06 +47.7	122	731125	329:22:31:48	003	16.3	280	90	178	SMUDGE
SL4-003	3:12 +50.9	099	731125	329:22:34:05	003	30.5	239	270	222	SMUDGE, <-101
SL4-004	3:12 +50.9	099	731125	329:22:38	003	30.5	239	90		<-101, END: 22:39:35
SL4-005	13:09 -17.2	KOH1	731125	329:22:40:55	003	22.1	134	900U	604	
SL4-006	0:38 -15.8	802	731126	330:15:34:04	003	0.0	66	270	(146)	SMUDGE, ROT OFF 100, <-265
SL4-007	7:38 -15.2	249	731126	330:15:42:39	003	1.4	202	270U	259	SMUDGE
SL4-008	7:22 -24.1	271	731126	330:15:48:50	003	3.7	212	270	273	SMUDGE
SL4-009	7:22 -24.8	271	731126	330:15:54:04	003	3.7	216	90	78	
SL4-010	8:22 -47.7	302	731204	338:23:55:06	003	23.3	237	90	77	
SL4-011	7:17 -27.5	269	731204	338:23:57:12	003	-0.6	241	270	212	
SL4-012	7:17 -27.5	269	731205	339:00:00:46	003	-0.6	241	90	86	
SL4-013	7:17 -27.5	269	731205	339:00:02:39	003	-0.6	242	270U	299	
SL4-014	7:19 -29.7	275	731205	339:00:08:39	003	2.5	242	270	218	
SL4-015	7:19 -29.7	275	731205	339:00:12:36	003	2.5	242	90	73	
SL4-016	7:45 -25.2	283	731205	339:00:14:46	003	3.3	230	270	212	
SL4-017	7:45 -25.2	283	731205	339:00:18:35	003	3.3	229	90	72	
SL4-018	6:51 -32.0	259	731205	339:00:20:49	003	0.3	255	270	217	SMUDGE, J005
SL4-019	11:47 +15.2	823	731207	341:23:41	003	6.7	260	270	(200)	SMUDGE, END: 23:44:20
SL4-020	13:22 -10.7	830	731207	341:23:45:08	003	13.9	129	90	72	ATM. EXTET
SL4-021	13:22 -10.7	830	731207	341:23:46:34	003	13.9	129	30	27	
SL4-022	14:25 -21.8	KOH2	731207	341:23:51:03	003	22.7	142	300U	239	(FOGGED)
SL4-023	22:25 +38.0	620	731208	342:14:54:00	003	20.8	151	90	73	(OUT OF FOCUS)
SL4-024	22:50 +13.8	854	731208	342:14:57:04	003	24.3	126	270	217	(OUT OF FOCUS)
SL4-025	22:50 +13.8	854	731208	342:15:01:07	003	24.3	124	90	73	(OUT OF FOCUS)
SL4-026	1:33 -58.9	803	731208	342:15:03:03	003	30.2	21	270	216	(OUT OF FOCUS)
SL4-027	1:33 -58.9	803	731208	342:15:06:52	003	30.2	21	90	74	(OUT OF FOCUS)
SL4-028	1:33 -58.9	803	731208	342:15:08:16	003	30.2	21	30	28	(OUT OF FOCUS)
SL4-029	7:41 -29.6	281	731208	342:15:10:03	003	3.2	233	270	224	(OUT OF FOCUS)
SL4-030	7:41 -29.6	281	731208	342:15:13:59	003	3.2	233	90	75	(OUT OF FOCUS)
SL4-031	10:05 +16.7	820	731208	342:15:16:04	003	10.5	147	270	218	(OUT OF FOCUS)
SL4-032	10:05 +16.7	820	731208	342:15:19:52	003	10.5	147	90	73	(OUT OF FOCUS)
SL4-033	10:04 +12.2	818	731208	342:15:22:01	003	11.8	147	90	77	(OUT OF FOCUS)
SL4-034	10:04 +12.2	818	731208	342:15:23:25	003	11.8	147	270	(212)	(OUT OF FOCUS)
SL4-035	10:04 +12.2	818	731208	342:15:27	003	11.8	147	30	28	(OUT OF FOCUS)
SL4-036	22:26 +38.8	620	731212	346:21:28:06	002	23.9	136	270	220	
SL4-037	22:26 +38.8	620	731212	346:21:32:04	002	23.9	136	90	73	
SL4-038	22:54 +14.3	854	731212	346:21:34:21	002	28.4	112	270	209	
SL4-039	7:28 -32.8	276	731212	346:21:38:50	002	1.9	240	270	216	
SL4-040	7:28 -32.8	276	731212	346:21:42:36	002	1.9	240	270U	274	
SL4-041	7:38 -30.1	281	731212	346:21:47:56	002	0.9	130	270	218	
SL4-042	10:30 +08.7	821	731212	346:21:52:22	002	14.5	145	270	219	
SL4-043	10:30 +08.7	821	731212	346:21:56:15	002	14.5	145	90	78	
SL4-044	10:07 +11.3	818	731212	346:21:58:10	002	7.5	142	90	79	
SL4-045	10:07 +11.3	818	731212	346:21:59:40	002	7.5	142	30	28	
SL4-046	10:07 +11.3	818	731212	346:22:00:15	002	7.5	142	30	28	
SL4-047	5:30 +10.7	213	731213	347:14:54:08	002	6.2	226	270	188	
SL4-048	5:30 +10.7	213	731213	347:14:57:32	002	6.2	226	90	77	
SL4-049	5:28 +20.6	128	731213	347:14:59:36	002	15.3	130	90	77	
SL4-050	15:20 -24.3	KOH3	731213	347:15:01:30	002	22.1	105	120U		FOGGED, STARTED BEFORE COMET RISE, TOTAL 253 SEC.
SL4-051	5:28 +04.5	209	731214	348:15:46:05	002	7.1	232	90	73	
SL4-052	5:25 +30.5	127	731214	348:15:47:58	002	32.4	245	270	213	
SL4-053	14:52 -14.9	408	731214	348:15:52:13	002	21.3	90	90	74	
SL4-054	15:34 -24.0	KOH4	731214	348:15:55:49	002	18.8	98	180U	182	
SL4-055	15:34 -24.0	KOH4	731214	348:15:59:01	002	18.8	98	30U	30	
SL4-056	5:48 +09.5	221	731216	350:22:16:00	002	10.2	254	180U	180	<-004
SL4-057	15:54 -25.3	KOH5	731216	350:22:20:10	002	22.8	94	270U	225	FOGGED
SL4-058	15:55 -26.7	KOH5	731217	351:03:00:35	002	21.8	94	270	(215)	FOGGED
SL4-059	5:54 +09.0	221	731219	353:22:54:32	002	17.1	276	270	208	
SL4-060	6:12 +22.6	811	731219	353:22:59:00	002	32.2	279	270	249	SATURN
SL4-061	6:12 +22.6	811	731219	353:23:03:19	002	32.2	279	270U	271	
SL4-062	6:33 +06.4	237	731219	353:23:09:01	002	15.2	289	270	252	
SL4-063	6:33 +06.4	237	731219	353:23:13:20	002	15.2	289	270U	270	
SL4-064	6:33 +11.6	238	731219	353:23:18:22	002	20.2	287	270	200	
SL4-065	6:33 +11.6	238	731219	353:23:21:53	002	20.2	287	90	74	
SL4-066	(16:30 -26.8)	KOH6	731219	353:23:24:39	002	22.0		230U	231	HIFOG
SL4-067	0:06 +27.8	801	731220	354:14:27:00	002	15.1	90	270	217	
SL4-068	0:06 +27.8	801	731220	354:14:30:51	002	15.1	90	90	72	
SL4-069	0:06 +27.8	801	731220	354:14:32:19	002	15.1	90	30	28	
SL4-070	21:25 +60.7	605	731220	354:14:34:02	002	24.2	107	270	215	SMUDGE
SL4-071	21:25 +60.7	605	731220	354:14:37:57	002	24.2	107	90	74	
SL4-072	8:13 -35.1	303	731220	354:14:40:01	002	6.3	203	270	219	
SL4-073	8:16 -46.6	302	731220	354:14:45:02	002	15.6	211	270	251	
SL4-074	8:16 -46.6	302	731220	354:14:49:29	002	15.6	211	90	78	
SL4-075	8:16 -46.6	302	731220	354:14:51:00	002	15.6	211	30	27	
SL4-076	8:48 -44.7	318	731220	354:14:52:14	002	17.9	200	270		
SL4-077	8:48 -44.7	318	731220	354:14:56	002	17.9	200	270U	(270)	
SL4-078	22:00 +59.1	614	731220	354:17:34	002	21.4	110	270		
SL4-079	22:00 +59.1	614	731220	354:17:38	002	21.4	110	90		
SL4-080	21:34 +63.4	612	731220	354:17:40	002	21.4	114	270		
SL4-081	7:24 -35.1	279	731220	354:17:45	002	1.3	223	270		
SL4-082	7:04 -37.2	273	731220	354:17:50	002	1.2	229	270		
SL4-083	7:04 -37.2	273	731220	354:17:54	002	1.2	229	90		

TABLE 1.—Exposure data for Skylab missions SL2, SL3, and SL4—Continued

FRAME	CENTER(1950)	FIELD	DATE	UT TIME	F.C.	TILT	<	EXPO	SEC	REMARKS
SL4-084	8:31 -54.3	313	731220	354:17:56	002	23.0	205	270		
SL4-085	8:31 -54.3	313	731220	354:18:00	002	23.0	205	90		
SL4-086	6:09 -52.6	253	731220	354:18:02	002	14.4	256	270		
SL4-087	6:09 -52.6	253	731220	354:18:06	002	14.4	256	90		
SL4-088	5:12 -07.6	201	731224	358:01:10:07	002	3.2	287	90	76	
SL4-089	5:12 -07.6	201	731224	358:01:11:36	002	3.2	287	30	27	
SL4-090	6:12 +07.2	226	731224	358:01:13:33	002	5.0	299	270	(205)	(FOGGED). TILT OFF 17. RESEMBLES VERY SHORT U EXPO. ACCORDING TO TRANSCRIPT IT MAY HAVE BEEN TERMINATED AFTER 10 SEC., <-219
SL4-091	23:19 +58.6	627	731230	364:16:54:03	003	24.9	70	270	269	
SL4-092	23:19 +58.6	627	731230	364:16:58:51	003	24.9	70	90	77	
SL4-093	7:45 -40.8	285	731230	364:17:01:44	003	-1.4	212	270	224	(FOGGED)
SL4-094	7:45 -40.8	285	731230	364:17:05:38	003	-1.4	212	90	75	
SL4-095	9:04 -43.9	328	731230	364:17:07:32	003	8.9	177	270	220	
SL4-096	9:04 -43.9	328	731230	364:17:11:28	003	8.9	177	90	75	
SL4-097	9:45 -56.1	335	731230	364:17:13:20	003	22.5	169	270	224	
SL4-098	9:45 -56.1	335	731230	364:17:17:21	003	22.5	169	90	77	SMUDGE
SL4-099	9:45 -56.1	335	731230	364:17:18:45	003	22.5	169	270U	272	
SL4-100	7:56 -40.5	293	731230	364:17:23:53	003	0.2	209	270	231	
SL4-101	7:56 -40.5	293	731230	364:17:27:55	003	0.2	209	30	28	
SL4-102	7:56 -40.5	293	731230	364:17:28:30	003	0.2	209	90	31	
SL4-103	2:29 -42.6	806	731230	364:21:45	003	25.3	317	360U	(360)	END:21:51:01
SL4-104	12:54 +51.3	828	731230	364:23:06:59	003	9.2	354	90	78	OFF 4
SL4-105	12:54 +51.3	828	731230	364:23:08:26	003	9.2	354	30		OFF 4, END:23:09:14
SL4-106	12:24 +21.2	827	731230	364:23:09:37	003	8.9	35	270	223	OFF 4, SMUDGE (FOGGED)
SL4-107	12:24 +21.2	827	731230	364:23:13:31	003	8.9	35	270U	(270)	OFF 4, SMUDGE
SL4-108	7:26 -46.3	288	731230	364:23:19	003	5.1	216	270		OFF 4
SL4-109	7:26 -46.3	288	731230	364:23:23	003	5.1	216	90		OFF 4
SL4-110	7:26 -46.3	289	731230	364:23:25	003	8.0	218	270		OFF 4
SL4-111	7:26 -46.3	289	731230	364:23:29	003	8.0	218	90		OFF 4
SL4-112	8:08 -50.2	290	731230	364:23:31	003	10.1	199	270U	(270)	OFF 4, <-309 (FOGGED)
SL4-113	8:33 -42.6	306	731230	364:23:37	003	3.8	186	270U	(270)	OFF 4, <-319
SL4-114	(20:25 -16.8)	K0H	740105	005:00:19:02	003	21.1		270U	270	HIFOG
SL4-115	7:16 -10.5	245	740105	005:00:25:53	003	8.0	18	270	226	
SL4-116	7:16 -10.5	245	740105	005:00:29:52	003	8.0	18	270U	272	
SL4-117	7:06 -24.0	265	740105	005:00:35:35	003	-0.2	38	270	222	
SL4-118	7:06 -24.0	265	740105	005:00:39:34	003	-0.2	38	90	75	
SL4-119	7:06 -24.0	265	740105	005:00:41:01	003	-0.2	38	270U	272	
SL4-120	7:19 -25.7	269	740105	005:00:47:28	003	2.8	39	90	78	<-270
SL4-121	5:45 -36.5	250	740105	005:14:19:00	003	-1.7	257	270U	270	
SL4-122	8:12 -36.9	303	740105	005:14:25:00	003	-0.5	186	270U	269	
SL4-123	8:29 -49.1	309	740105	005:14:32:01	003	13.2	182	270U	269	
SL4-124	20:58 -14.0	K0H7	740107	007:23:49:02	003	21.3	45	400U	401	FOGGED, VENUS
SL4-125	11:05 -60.6	352	740108	008:00:01:01	003	23.6	67	300U	301	FOGGED
SL4-126	11:05 -60.6	352	740108	008:00:06:16	003	23.6	67	30	30	(FOGGED)
SL4-127	21:04 -13.4	K0H8	740108	008:12:15:00	003	21.5	45	500U	499	FOGGED
SL4-128	21:04 -13.4	K0H8	740108	008:12:23:30	003	21.5	45	70U	39	
SL4-129	9:25 -61.4	333	740108	008:12:27:00	003	12.8	85	270	272	
SL4-130	9:25 -61.4	333	740108	008:12:31:46	003	12.8	85	90	80	
SL4-131	10:45 -60.3	341	740108	008:12:34:00	003	22.2	70	270U	270	<-352A
SL4-132	10:40 -64.2	346	740108	008:12:40	003	19.4	77	270		FOGGED, END:12:45:08
SL4-133	10:40 -64.2	346	740108	008:12:46	003	19.4	77	90		
SL4-134	21:47 -7.5	K0H9	740112	012:01:47:58	003	21.6	55	720U	723	(FOGGED)
SL4-135		CAL.	740213		003					FLIGHT
SL4-136		CAL.	740214		003					FLIGHT
SL4-137		CAL.	731019		002					FLIGHT
SL4-138		CAL.	731018		003					FLIGHT
SL4-139		CAL.	731019		002					FLIGHT
SL4-140		CAL.	731018		003					FLIGHT
SL4-141		CAL.	740215		002					FLIGHT
SL4-142		CAL.	740215		002					FLIGHT

## NOTES

- ATM. EXT. INDICATES SPECTRA ARE AFFECTED BY ATMOSPHERIC EXTINCTION
- END: GIVES END TIME OF EXPOSURE TO NEAREST SECOND WHEN KNOWN, IF START TIME WAS NOT RECORDED
- (FOGGED) INDICATES PLATE HAS NARROW STREAK OF FOG, OR GENERAL FOG GREATER THAN NORMAL
- FOGGED INDICATES PLATE HAS HEAVY FOG, BUT IMAGES MAY BE USABLE
- HIFOG INDICATES PLATE HAS SEVERE FOG, IMAGES NOT USABLE
- NO IMD INDICATES THAT SPECTRA ARE TRAILED DUE TO FAILURE TO INHIBIT MOMENTUM DUMPING
- N (AFTER EXPOSURE) INDICATES PRISM NOT INSTALLED
- <- INDICATES FIELD WAS RENUMBERED FROM THE PAD DESIGNATION
- > INDICATES THIS FIELD NOW SHARED BETWEEN TWO ADJACENT FIELDS

Smithsonian Astrophysical Observatory, 1969), a large data base compiled prior to Celestcope observations on the OAO-2 satellite; (2) the "Celestcope Catalog of Ultraviolet Stellar Observations" (ref. AAA), containing updated supplementary data for the 5000

stars observed by Celestcope; (3) the "Catalogue of Stellar Identifications" (ref. Z01), a master index of basic star catalogs; (4) the Naval Observatory "Photoelectric Catalogue" (ref. A19), containing UBV photometry and MK spectral types; and (5) Merrilliod's

TABLE 2.—*Spectral classes of stars in catalog*

Class	MK Lum. Class		Total*	Class	MK Lum. Class		Total*
	I-II	III-V			I-II	III-V	
WC (+ O)			5	B9 p			6
WN			3	A p			5
O/B p			2	A m <sup>†</sup>			6
O4-O5	1	2	3	A0	2	7	10
O6-6.5	2	3	5	A1-2	2	5	8
O7-7.5	1	4	5	A3	0	4	4
O8-8.5	4	6	10	A4-5	0	3	4
O9-9.5	7	9	16	A7	0	5	6
B0-0.5	7	26	33	A8	0	3	3
B1-1.5	7	44	51	F0-1	4	4	8
B2-2.5	4	99	103	F2-3	0	2	3
B3	1	38	39	F5	1	0	1
B4	0	21	21	F8	1	0	1
B5	3	30	34	G2	0	1	1
B6	2	11	14	G5	0	1	1
B7	0	16	16	Hot secondary with			14
B8	1	20	24	cool primary			
B9-9.5	4	22	27	Total stars			492

\*Total count may also include stars with no luminosity classification.

<sup>†</sup>Only definite metallic-line A stars are counted here; a few questionable cases have been included elsewhere in the table without a luminosity class.

1974 update of the "Photoelectric Catalogue" (ref. J01). Information from various journal articles (cited in table 7) also was included.

The arrangement of table 3 is by HD number. One or two other common designations, where appropriate, are given under NAME/REMARK. (See table 4 for a cross reference indexed by common name.) When the observed spectrum has a possible or probable significant contribution from a nearby star, the second star is indicated by "W/..." in the remark column of table 3. To be sure that a spectrum is considered uncontaminated, the user should check both preceding and following entries in table 3 for this remark. The column heading COMP. denotes the important component(s) of a recognized double or multiple star system. The DM number includes a code for Bonner, Cordoba, or Cape Photographic Durchmusterung (refs. 898-900). Where these catalogs overlap, the usual convention of the HD catalog (ref. 922) was followed.

In table 3, the entry under GROUP refers usually to cluster or association membership. Group membership is not exhaustively listed in this column and may be indicated instead under peculiarity code number 11 (table 5). Numerical entries with four digits are NGC or IC numbers. A number preceding a constellation name designates an association. Other designations are SCCE for Sco-Cen and ME for Melotte. The two-digit numbers have special meaning:

99 = one star with two HD numbers (the first one is used)

21 } components of a resolved multiple system  
22 } having only one HD number

The Right Ascension and Declination are given for equinox 1950 to the nearest second of time and 0.1 arc min, respectively. The source was usually the SAO catalog (ref. 897).

The spectral type shown was selected according to a hierarchy, in which classifications for types O9 and

TABLE 3.—Supplementary data for stars in catalog

HD	NAME/REMARK	COMP.	DM	GROUP	R.A. (1950)	DEC	SPEC. TYPE	PEC.	CODES	V	B-V/PG	U-B
									1 3 6 9 12 15 18 21			
358	ALF AND	A	B+28	4	0 5 47	28 49.0	B9 HG,MN	P A	U M P	2.07	-.10	-.41
432	BET CAS	A	B+58	3	0 6 30	58 52.4	F2 III-IV		SS P	2.28	-.35	-.10
593			B+58	11	0 7 56	59 23.7	B1 V		S	6.70	-.03	-.75
1337	AO CAS, HR 65		B+50	46	0 15 3	51 9.3	O9/9.5 III		N S GPC	6.0*	0*	-1.01
1976	HR 91	AB	B+51	62	0 21 33	51 44.6	B5 IV		N V P	5.57	-.12	-.60
2054	HR 96		B+52	61	0 22 23	52 46.2	B9 IV		N V Y	5.67	-.06	
2772	LAM CAS	AB	B+53	82	0 29 0	54 14.8	B8 V		N V	4.7*	-.10	-.33
2905	KAP CAS		B+62	102	0 30 8	62 39.4	B7 IA	EN	US HP	4.16	-.13	-.80
3240	HR 144		B+53	102	0 33 20	53 53.6	B7 III		U S P	5.06	-.11	-.37
3360	ZET CAS		B+53	105	0 34 10	53 37.3	B2 IV	S	US YP	3.65	-.20	-.85
4142	HR 189		B+47	181	0 41 39	47 35.4	B4/5 V		N P P	5.66	-.12	-.56
4180	OMI CAS	A	B+47	183	0 41 56	48 7	B2/5 V/III	EN	V P A	4.54	-.07	-.51
5394	GAM CAS	AB	B+59	144	0 53 40	60 26.8	B0.5 IV	PEN	SU V NP	2.5*	-.16	-1.07
5408	HR 266	AB	B+59	146	0 53 45	60 5.6	B3 V P		N M	5.55	-.07	-.33
10144	ALF ERI		P-57	334	1 35 51	57 29.4	B3 V P	PEN	U M	4.8	-.17	-.66
10516	PHI PER		B+49	444	1 40 31	50 26.3	B2 V P	PEN	SU S XP	4.06	-.04	-.93
16349			B+61	448	2 36 5	62 23.3	A7 P		P	7.28		
18925	GAM PER	AP	B+52	654	3 1 10	53 18.8	G8 III +A3 V		M	2.94	-.69	-.45
19268	HR 930		B+51	681	3 4 27	52 1.4	B5 V		P	6.30	-.01	-.44
19356	BET PER	A	B+40	673	3 4 54	40 45.9	B8 V		U M GP	2.13	-.06	-.38
20191			B+50	731	3 13 13	51 2.1	B9 V			7.19	-.03	-.19
20283	HR 979	AB	B+39	743	3 13 55	40 18.1	B9 P +A M	P	V	6.38		
20677	32 PER		B+42	750	3 18 5	43 9.0	A3 V			4.94	-.06	-.07
20809	HR 1011		B+48	899	3 19 40	49 2.2	B4 V			5.29	-.07	-.54
20902	ALF PER	A	B+49	917	3 20 44	49 41.1	F5 IB		SV YP	1.80	-.48	-.38
21364	XI TAU		B+09	439	3 24 27	9 33.6	B9 V	P N	U S P	3.73	-.08	-.34
21428	34 PER	AB	B+49	945	3 25 47	49 20.3	B5 V		N V P	4.67	-.09	-.57
21551	HR 1051		B+47	844	3 27 4	47 56.0	B8 V		N P	5.83	-.04	-.32
21686	4 TAU		B+10	452	3 27 40	11 10.0	A0 V		N C	5.13	-.03	-.07
21699	HR 1063		B+47	847	3 28 36	47 51.3	B8 III MN	P		5.47	-.10	-.56
21856	HR 1074		B+34	674	3 29 29	35 17.6	B1 V		P A	5.88	-.07	-.85
21933	6 TAU		B+08	528	3 29 53	9 12.4	B9 IV			5.76	-.08	-.27
22192	PSI PER		B+47	857	3 32 55	48 1.7	B5 V	EN	SU P A R	4.23	-.06	-.57
22780	HR 1113		B+37	811	3 37 52	37 25.2	B7 V	EN	NP	5.55	-.07	-.42
22928	DEL PER	A	B+47	876	3 39 21	47 37.8	B5 III	N	USV AP A	3.02	-.13	-.50
22951	40 PER	A	B+33	698	3 39 12	33 48.4	B0.5/1 V/IV	A	U V A HP A	4.97	-.01	-.83
23193	HR 1133		B+16	742	3 41 7	36 18.2	A2 M:			5.55	-.06	-.15
23302	17 TAU		B+23	507	3 41 54	23 57.5	B6 III	EN	A S P	3.70	-.11	-.41
23630	ETA TAU	A	B+23	541	3 44 30	23 57.2	B7 III	EN	USV P	2.87	-.09	-.36
23753	HR 1172		B+22	563	3 45 23	23 16.2	B9/A0 V	N	S	5.44	-.07	-.32
23848	42 PER		B+32	667	3 46 23	32 56.4	A3 V		S A P	5.09	-.07	-.12
23985	HR 1188	AB	B+25	624	3 47 18	25 25.9	A5 V		V	5.25	-.23	-.08
24398	ZET PER	A	B+31	666	3 50 59	31 44.2	B1 IB		USV A YP	2.85	-.12	-.77
24504	HR 1207		B+47	912	3 52 21	47 43.6	B6 V	N	U P	5.35	-.07	-.48
24534	X PER, HR 1209	A	B+30	591	3 52 15	30 54.0	O/B PE	PEN	U V A JP	6.1*	-.29	-.83
24640	HR 1215		B+34	768	3 53 15	34 56.2	B1.5 V		U A HP	5.49	-.03	-.75
24912	XI PER		B+35	775	3 55 43	35 38.9	O7.5 I/III	N	U O HP	4.04	-.01	-.92
25940	48 PER		B+47	939	4 5 1	47 34.9	B3 V	PEN	U V A HP	4.03	-.03	-.54
27045	OMG TAU		B+20	724	4 14 20	20 27.5	A3 M	AM	S P	4.96	-.24	-.10
27295	53 TAU		B+20	733	4 16 29	21 1.4	B9 IV	P A		5.35	-.08	-.27
27309	56 TAU		B+21	623	4 16 39	21 39.3	A0 SI	P A		5.33	-.14	-.40
27396	53 PER		B+46	872	4 17 56	46 22.9	B4 IV		U HP	4.85	-.03	-.53
27934	KAP TAU	A	B+21	642	4 22 23	22 10.9	A7 IV-V		V P	4.22	-.14	-.13
27946	67 TAU	B	B+21	643	4 22 26	22 5.3	A8 V	N	V P	4.9*	-.21	-.10
28024	UPS TAU	A	B+22	696	4 23 18	22 42.2	A8 V	N	V P	4.29	-.27	-.13
28319	THI-2 TAU	A	B+15	632	4 25 48	15 45.7	A7 III	NA	SS P	3.41	-.18	-.15
28546	81 TAU		B+15	639	4 27 47	15 35.1	A5 M	AM	V P	5.48	-.26	-.10
28556	83 TAU	A	B+13	690	4 27 48	13 37.1	F0 V		V	5.41	-.26	-.10
28879			B+16	621	4 30 46	16 13.2	F0 V			6.59	-.18	-.09
28910	RHO TAU		B+14	720	4 31 0	14 44.5	A8 V	N	S	4.65	-.25	-.09
29479	SIG-1 TAU	B	B+15	665	4 36 18	15 42.2	A4 M:	AM	S	5.07	-.14	-.16
29488	SIG-2 TAU	A	B+15	666	4 36 24	15 49.2	A5 V	N	S	4.68	-.16	-.13
31512	62 ERI	A	B-05	1091	4 53 56	-5 14.9	B6 V		V	5.50	-.14	-.55
32068	ZET AUR		B+40	1142	4 58 59	-41 3	K4 II +B7 V		S GP	3.75	1.22	-.37
32249	PSI ERI		B-07	948	4 59 1	-7 14.8	B3 V		U S	4.80	-.20	-.73
32630	ETA AUR		B+41	1058	5 3 0	-41 10.2	B3 V		U S	3.17	-.18	-.67
32964	66 ERI	A	B-04	1044	5 4 17	-4 43.2	B9.5 V		M	5.10	-.06	-.17
33111	BET ERI	A	B-05	1162	5 5 24	-5 8.9	A3 III		SV Y	2.78	-.13	-.10
33328	LAM ERI		B-08	1040	5 6 45	-8 49.0	B2 IV	N	U BP	4.27	-.19	-.89
33904	MU LEP		B-16	1072	5 10 41	-16 15.8	B9 HG,MN	P NA	U	3.31	-.11	-.39
33948	HR 1704		B-08	1059	5 11 9	-8 12.3	B5 V		U HP	6.37	-.14	-.54
34029	ALF AUR	AP	B+45	1077	5 12 59	-45 57.2	G5 III +G G0		V HP	4.07	-.80	-.44
34085	BET ORI	A	B-08	1063	5 12 8	-8 15.5	B8 IA	E	USM P	3.58	-.11	-.48
34503	TAU ORI		B-07	1028	5 15 11	-6 53.8	B5 III		USV YP	3.58	-.11	-.48
34816	LAM LEP		B-13	1127	5 17 16	-13 13.6	B0.5 IV		C BP	4.29	-.27	-1.01
35007	HR 1764	A	B-00	929	5 18 59	-0 27.9	B3 V		V A P	5.68	-.13	-.65
35039	22 ORI		B-00	930	5 19 13	-0 25.7	B2 IV-V		A P	4.72	-.17	-.79
35148	W/ 35149	B	B+03	872	5 20 13	3 30.3	B5 V	N	V P	7.18	-.11	-.62
35149	23 ORI	A	B+03	871	5 20 12	3 29.9	B1 V	N	U V A P	5.00	-.15	-.85
35299	HR 1781		B-00	936	5 21 9	-0 12.3	B1.5 V	S	S A P	5.69	-.21	-.88
35337	8 LEP		B-14	1119	5 21 13	-13 58.4	B2 IV	S	BP	5.25	-.21	-.87
35439	25 ORI	C	B+01	1005	5 22 9	1 48.1	B1 V	PEN	U V A HP	4.94	-.21	-.91
35468	GAM ORI	A	B+06	919	5 22 27	6 18.4	B2 III	S	USV A HP	1.64	-.22	-.87
35575			B-01	889	5 23 5	-1 32.1	B2/3 V		A P	6.43	-.17	-.73
35588	HR 1803		B+00	1056	5 23 13	0 28.6	B2.5 V	N	U A HP	6.16	-.18	-.73
35708	114 TAU	A	B+21	847	5 24 38	21 53.8	B2.5 IV	S	U V A P	4.87	-.15	-.77
35715	PSI ORI	AB	B+02	962	5 24 13	3 3.2	B1 V		U M A HP	4.59	-.22	-.92
35912	HR 1820		B+01	1021	5 25 26	1 15.5	B2 V	S	U M A P	6.39	-.18	-.73
36267	32 ORI	AB	B+05	939	5 28 6	5 54.7	B5 V	N	U V A P	4.20	-.14	-.55
36285	HR 1840		B-07	1099	5 27 56	-7 28.3	B2 IV-V		U A P	6.33	-.19	-.83
36351	33 ORI	AB	B+03	948	5 28 37	3 15.3	B1.5 V		U V A P	5.45	-.19	-.82
36430	HR 1848		B-06	1207	5 28 55	-6 44.7	B2 V	S	U A P	6.22	-.18	-.74
36486	DEL ORI	A	B-00	983	5 29 27	-0 20.1	O9.5 II		USS A GP	2.21	-.22	-1.04
36512	UPS ORI		B-07	1106	5 29 31	-7 20.2	B0 V		U S A P	4.62	-.26	-1.07
36591	HR 1861	AB	B-01	935	5 30 9	-1 37.6	B1 IV	S	USV A HP	5.34	-.20	-.94

TABLE 3.—Supplementary data for stars in catalog—Continued

HD	NAME/REMARK	COMP.	DM	GROUP	R.A. (1950)	DEC	SPEC. TYPE	PEC.	CODES	V	B-V/PG	U-B
36695	VV ORI, HR 1868	A	B-01	943	5 30 59	-1 11.4	B1 V	1 3	N U M A GP R	5.32	-.18	-.91
36779	HR 1873	A	B-01	949	5 31 31	-1 4.1	B2.5 V		U V A P	6.23	-.18	-.81
36822	PHI-1 ORI	A	B+09	877	5 32 4	9 27.4	B0.5 IV-V	S	USO P A	4.41	-.16	-.96
36827		A	B-02	1296	5 31 45	-2 54.9	B3 V		U A	6.69	-.17	-.74
36861	LAM(1) ORI	A	B+09	879	5 32 23	9 54.1	B0 III		USVO HP A R	3.40	-.20	-1.01C
36862	LAM(2) ORI, W/ (1)	B	B+09	879	5 32 23	9 54.2	B0 V		U V A P	5.61	-.24	-.91
36895		A	B+09	881	5 32 28	9 34.9	B2 IV-V		U A HP	6.74	-.16	-.71
36959	HR 1886, W/ 36960	B	B-06	1233	5 32 34	-6 2.5	B1 V		U V A YP R	5.67	-.22	-.90
36960	HR 1887	A	B-06	1234	5 32 36	-6 2.0	B0.5 V	P S	U V A P	4.78	-.25	-1.01
37041	THI-2 ORI	A	B-05	1319	5 32 56	-5 26.8	B0.9/9.5 V	PE	U S A YP R	5.09	-.09	-.94
37042	W/ 37041	B	B-05	1320	5 32 59	-5 26.9	B1 V		U A HP	6.39	-.08	-.92
37043	IOT ORI	A	B-06	1241	5 32 59	-5 26.5	B0.5 V	ES	USM A P	2.76	-.23	-1.07
37128	EPS ORI	A	B-01	969	5 33 40	-1 13.9	B0 IA	E	USVEA P A	1.69	-.19	-1.04
37150	HR 1906	A	B-05	1334	5 33 48	-5 40.7	B3 IV		U A HP	6.55	-.19	-.81
37202	ZET TAU	A	B+21	908	5 34 39	21 6.9	B4 III P	PEN	SU S HP R	2.99	-.18	-.70
37209	HR 1911	A	B-06	1255	5 34 9	-6 5.7	B2 IV		U V A HP R	5.71	-.24	-.91
37269	26 AUR	AB	B+30	963	5 35 25	30 27.9	A2 V +G III		U M A H	5.40	-.45	-.25
37303	HR 1918	A	B-06	1262	5 35 1	-5 58.0	B1.5 V	N	U A HP	6.03	-.22	-.93
37468	SIG ORI	AB	B-02	1326	5 36 14	-2 37.6	B0.5 V		USM A P	3.79	-.22	-1.03
37479	HR 1932, W/ 37468	E	B-02	1327	5 36 16	-2 37.3	B2 V P	P	U V A Y R	6.65	-.19	-.86
37481	HR 1933	A	B-06	1275	5 36 12	-6 36.1	B1.5 IV		U A P R	5.95	-.23	-.91
37490	OMG ORI	A	B+04	1002	5 36 33	4 5.7	B2 III	EN	U A P R	4.53	-.10	-.77
37507	49 ORI	A	B-07	1142	5 36 28	-7 14.3	A4 V		U S	4.80	-.14	-.11
37742	ZET(1) ORI	A	B-02	1338	5 38 14	-1 58.0	B0.5 IB	EN	USV A HP A R	1.75	-.21	-1.06C
37743	ZET(2) ORI, W/ (1)	B	B-02	1338	5 38 14	-1 58.1	B0 III		U V Y	4.21	-.22	-.89
37744	HR 1950	A	B-02	1337	5 38 7	-2 51.0	B1.5 V		U S A P R	6.21	-.22	-.89
37756	HR 1952	A	B-01	1004	5 38 18	-1 9.2	B2 IV-V	N	U S A HP	4.94	-.21	-.83
39985	HR 2075	A	B-09	1016	5 53 43	9 30.2	A0 IV		U A HP	5.98	-.06	-.14
42087	3 GEM	AB	B+23	1226	6 6 42	23 7.4	B2.5 IB	ES	USV A, P A	5.75	-.21	-.63
42216	(4 GEM)	AB	B+23	1232	6 7 28	23 5	B9		U V	6.68	-.25	-1.00
42933	DEL PIC	A	P-54	980	6 9 19	-54 57.4	B0.5 IV		U S Y	4.80	-.25	-1.00
45057		P-53	1070	6 21 15	-53 18.5	B5 III		U	6.86	-.14	-.57	
45348	ALF CAR	A	P-52	914	6 22 50	-52 40.1	F0 IAB		U	7.09	-.13	-.66
45789		B+07	1314	6 27 14	7 8.8	B2.5 IV-V						
45995	HR 2370	A	B+11	1204	6 28 23	11 17.2	B2.5 V	EN	VO P	6.14	-.09	-.85
46300	13 MON	A	B+07	1337	6 30 12	7 22.3	A0 IB		S P	4.48	-.01	-.23
46885	HR 2433	A	B+04	1335	6 33 21	4 32.4	B9 III		U A HP	6.54	-.06	-.29
46966		A	B+06	1303	6 33 45	6 7.5	B0.5 V	P	USO P	6.87	-.05	-.92
47129	HR 2422	A	B+06	1309	6 34 43	6 10.7	B0.5 V	P	USO HP	6.06	-.04	-.88
47417		A	B+07	1386	6 36 6	6 56.8	B0 IV		U A HP	6.97	-.01	-.86
47839	15 MON, S MON	A	B+10	1220	6 38 13	9 56.6	B0.7/8 V/III	S	USVEG XP	4.66	-.25	-1.07
48099	HR 2467	A	B+06	1351	6 39 18	6 23.7	O6.5/7 V		U S P	6.37	-.05	-.94
48917	10 CMA	A	C-30	3484	6 42 34	-31 1.1	B2 III	EN	U S	5.17	-.12	-.94
49961		A	C-32	3403	6 47 40	-32 29.0	B9 III			6.8	6.8	
50013	KAP CMA	A	C-32	3404	6 47 58	-32 27.0	B1.5 IV	EN	U C	3.95	-.23	-.91
50123	HR 2545	A	C-31	3717	6 48 30	-31 38.8	B7 III E	EN	U C	5.63	5.6*	
51411	W/ 50123	B	C-31	3719	6 48 33	-31 38.5	A3		V	8.5*		
52140	HR 2598	A	C-31	3808	6 54 1	-31 43.5	B5 III		M	6.42	6.4*	
52670	HR 2621	A	C-30	3757	6 56 49	-30 55.7	B5 III		V	6.42	-.16	-.60
53138	OMI-2 CMA	A	C-25	3911	6 59 3	-25 8.6	B2 V		S	5.63	-.17	-.657
53344		A	C-23	4797	7 0 56	-23 45.5	B3 IA		US P	3.02	-.09	-.80
53444		A	C-24	4785	7 1 39	-25 5	B2.5 V		U S	6.86	-.17	-.75
54605	DEL CMA	A	C-26	3916	7 6 21	-26 18.8	F8 IA		S P	1.8*	-.6*	-.5*
54893	HR 2702	A	C-39	3105	7 7 10	-39 34.5	B2 IV-V			4.83	-.18	-.69
54912	HR 2704	A	C-25	4120	7 7 39	-25 8.9	B2.5 IV		V	5.70	-.16	-.77
55522	26 CMA	A	C-25	4191	7 10 9	-25 51.5	B2 V			5.91	-.17	-.72
55857	HR 2734	A	C-27	3789	7 11 36	-27 16.2	B0.5 V		Y P	6.11	-.26	
55879	HR 2739	A	B-10	1933	7 12 6	-10 13.7	B0.5 II-III	S	J P	6.01	-.18	-.98
55958	HR 2741	A	C-30	4143	7 11 52	-30 59.8	B2 IV		S P	6.08	-.18	-.98
55985	HR 2743	A	C-30	4146	7 12 1	-30 59.8	B2 IV-V		S P	6.34	-.22	-.84
56014	27 CMA	AB	C-26	4057	7 12 13	-26 15.9	B3 III P +B8	PE	U V P	4.67	-.19	-.75
56094		A	C-23	5137	7 12 36	-23 24.1	B1 III/V		U P	7.29	-.19	-.95
56139	OMG CMA	A	C-26	4073	7 12 47	-26 41.1	B2 IV-V	E	U XP	3.8*	-.16	-.71
56342	HR 2756	A	C-30	4184	7 13 25	-30 35.9	B3 V		U	5.40	-.18	-.66
56455	HR 2761	A	C-46	3000	7 13 20	-46 45.7	A0 P	P A		5.71	-.12	-.46
56554		A	C-30	4205	7 14 10	-30 20.7	(B4 V)			7.14	-.18	-.79
56779	HR 2770	A	C-36	3485	7 15 3	-36 30.1	B2 IV-V		S	5.03	-.17	-.69
56876	HR 2774	A	C-26	4140	7 15 46	-26 42.4	B2 IV-V	N		6.45	-.15	-.61
57060	29 CMA, UW CMA	A	C-24	5173	7 16 35	-24 28.0	B0.5 V	PE	U SO GP R	4.97	-.15	-1.00
57061	TAU CMA	A	C-24	5176	7 16 38	-24 51.7	B0.5 V		USMOG HP R	4.39	-.15	-.98
57150	HR 2787	A	C-36	3512	7 16 32	-36 38.5	B2 V	EN	V P	4.7*	-.12	-.78
57193		A	C-25	4354	7 17 6	-25 28.4	B1 III		U P	7.46	-.17	-.94
57219	HR 2790	B	C-36	3519	7 16 51	-36 39.0	B2 IV	EN	V Y	5.11	-.17	-.66
57593	HR 2800	A	C-26	4223	7 18 53	-26 52.1	B2.5 V		V Y	6.01	-.17	-.71
58011		A	C-25	4439	7 20 40	-25 54.9	B1 V EP	PEN	P	7.16	-.05	-.98
58260		A	C-36	3578	7 21 32	-36 14.5	B2 V P	P	PC	6.74	-.13	-.74
58286	HR 2823	A	C-31	4454	7 21 38	-32 6.2	B2 V			5.39	-.19	-.71
58325	HR 2824	A	C-29	4322	7 21 57	-30 7.1	B2 IV-V			6.60	-.21	-.77
58350	ETA CMA	A	C-29	4328	7 22 7	-29 12.3	B5 IA		USS V P	2.44	-.07	-.74
58420	HR 2829	A	C-35	3569	7 22 10	-35 44.4	B7 III			6.31	-.15	-.56
58612	HR 2841	A	C-24	5366	7 23 21	-25 7.1	(B7 III)			5.77	-.11	-.41
58978	HR 2855	A	B-22	1874	7 24 52	-22 59.0	B0.5 IV P	PEN	S P R	5.60	-.11	-.94
59026	HR 2856	A	C-33	3813	7 24 51	-34 2.3	B2 IV-V	N		5.90	-.17	-.69
59136	HR 2860	A	B-22	1878	7 25 35	-22 45.4	B8 IV			5.94	-.09	-.41
59499	HR 2870	A	C-31	4590	7 26 56	-31 44.7	B3 V		V	6.51	6.5*	
59500	HR 2871, W/ 59499	B	C-31	4590	7 26 56	-31 44.6	B4 V	N	V	7.24		
59527		A	C-34	3634	7 27 6	-34 48.8	B5 V			6.91	-.12	-.52
59550	HR 2873	A	C-31	4593	7 27 9	-31 21.1	B2 V		P	5.77	-.20	-.74
59864		A	C-33	3879	7 28 42	-33 59.1	B2 II		P	7.63	-.09	-.84
60098	HR 2885	A	C-35	3650	7 29 37	-36 2.8	B4 V			6.67	-.12	-.53
60168	HR 2889	A	C-35	3652	7 29 54	-35 46.8	B8 V		M V	6.61	-.08	-.37
60312	HR 2895	AB	C-35	3659	7 30 33	-35 51.2	B8 V		V	6.35	-.10	-.37
60344		A	C-23	5673	7 30 56	-23 49.5	B1 V P	P	Y	8.2	7.7	
60606	HR 2911	A	C-36	3715	7 32 2	-36 13.7	B3 V	EN	S H C	5.53	-.07	-.72



TABLE 3.—Supplementary data for stars in catalog—Continued

HD	NAME/REMARK	COMP.	DM	GROUP	R.A. (1950)	DEC	SPEC. TYPE	PEC.	CODES	1	3	6	9	12	15	18	21	V	B-V/PG	U-B
61071		AB	C-25	4775	7 34 27	-25 13.2	B1/2 V/III											6.84	-.08	-.76
61330	HR 2937	ABC	C-34	3755	7 35 31	-34 51.3	B8 V											4.52	-.09	-.30
61429	HR 2944	AB	C-25	4828	7 36 13	-25 15.0	B8 IV											4.69	-.10	-.35
62315		C-29	4805		7 40 8	-30 4.1	B3/5 III/V											6.95	-.16	-.67
62315	W/ 62315	C-29	4806		7 40 9	-30 5.0	A0												9.1*	
62623	3 PUP	C-28	4774		7 41 48	-28 50.0	A2 IAB	PE	S									3.96	-.18	-.06
62747	HR 3004	C-24	5885	SCCE	7 42 28	-24 35.2	B1.5 III											5.1	-.20	-.87T
63208	HR 3025	C-39	3587		7 44 50	-39 56.1	B2 V											6.7	-.13	-.68
63425		A	C-41	3384	7 45 26	-41 22.8	B0/0.5 V											6.3	-.19	-.94
63462	OMI PUP	A	C-25	5081	7 46 0	-25 48.7	B1 IV: PE	PEN	U V									4.49	-.05	-1.01
63465	HR 3035	A	C-38	3650	7 45 39	-38 23.2	B2.5 III		U V									5.08	-.11	-.65
63868		C-40	3512	2451	7 47 32	-40 34.5	B2.5 V											6.50	-.16	-.67
64365	HR 3078	C-42	3610		7 50 2	-42 45.5	B2 IV											6.05	-.18	-.81T
64440	HR 3080, A. PUP	C-40	3579		7 50 30	-40 26.8	G5 III(+SD B)		S									3.72	1.04	-.78
65315	HR 3107	C-40	3655		7 54 41	-40 36.1	B2 V	N										6.77	-.18	-.73
66624	HR 3162	A	C-40	3776	8 1 2	-41 10.1	B9 SI	P A	U V									5.65	5.1	-.11
66811	ZET PUP	C-39	3939		8 1 49	-39 51.6	04 I F	ES	US									2.25	-.28	-1.11
68092		C-46	3833		8 7 19	-47 1.6	B3 V											7.18	-.16	-.65
68161	HR 3203	C-48	3516		8 7 40	-48 32.2	B8											5.86		
68243	HR 3206, W/ 68273	B	C-46	3846	8 7 57	-47 11.8	B1 IV	N	U									4.26	-.23	-.91
68273	GAM VEL	A	C-46	3847	8 7 59	-47 11.3	WCB +07	PE	U M									1.80	-.26	-.95
68324	HR 3213	C-47	3553		8 8 12	-47 47.3	B1 IV	N										5.23	-.21	-.90
68657	HR 3227	C-48	3576		8 9 41	-48 18.7	B3 V											5.83	-.16	-.63
68761		C-36	4322		8 10 36	-36 50.3	B0.5 III											6.54	-.07	-.92
68895	HR 3234	AB	C-45	3892	8 10 56	-46 6.8	B5 V		V									6.03	-.11	-.54
68980	HR 3237	C-35	4349		8 11 36	-35 44.9	B1.5 III E	EN										4.74	-.11	-.97
69106		C-36	4359		8 12 12	-36 48.0	B0.5 IV	N										7.14	-.10	-.92
69144	HR 3244	A	C-46	3929	8 12 2	-46 50.4	B2.5 IV		V									5.13	-.15	-.62
69168		C-36	3931		8 12 11	-46 48.8	B2.5 IV	N										5.13	-.15	-.62
69302	HR 3250	AB	C-45	3914	8 12 47	-45 40.9	B2 IV-V		V									5.82	-.18	-.77
69404		C-46	3951		8 13 16	-46 19.9	B2 V	EN										6.40	-.14	-.79
69973		C-47	3771		8 15 47	-47 45.8	B5 V	N										6.8*	-.12	-.56
70309	HR 3283	A	C-47	3799	8 17 33	-48 2.4	B3 V		V									6.45	-.14	-.64
70556	HR 3294	A	C-36	4513	8 19 28	-36 19.5	B2 IV-V		V									5.20	-.19	-.79T
70930		AB	C-48	3734	8 20 59	-48 19.7	B1.5 III		V									4.82	-.15	-.84
71935	HR 3350	P-52	1484		8 26 15	-52 55.4	D F3											5.08		
72108	HR 3358	AP	C-47	4004	8 27 30	-47 45.7	B2 IV	N	M									5.33	-.15	-.76T
72108		C	C-47	4004	8 27 32	-47 45.4			V									9.3*	9.0	
72232	HR 3363	C-45	4183		8 28 8	-46 9.8	(B7 IV)											6.11		
72737	HR 3386	AB	P-52	1517	8 30 42	-53 2.5	X0 III +A3		V									5.68	.58	
73105		P-52	1532		8 32 45	-52 53.9	B5 V											6.88		
74071	HR 3440	C-46	1796	SCCE	8 38 0	-53 20.5	B2 V	N										5.88	-.16	-.57
74146	HR 3442	A	P-52	1583	8 38 32	-52 52.6	B4 IV		M G									5.19	-.15	-.58
74195	OMI VEL	P-52	1583		8 38 52	-52 44.6	B3 IV		U									3.62	-.18	-.65
74319		A	C-44	4698	8 39 52	-44 48.7	B5 V		V									6.69	-.10	-.56
74371	HR 3456	C-44	4704		8 40 15	-45 13.8	B6 IA		S									5.24	.21	-.52
74956	DEL VEL	AB	P-54	1788	8 43 19	-54 31.4	A0 V	USV										1.95	.04	-.04
75241		C-44	4818		8 45 22	-46 53.4	B5 III											6.59	-.13	-.58
75821	HR 3527	AB	C-46	4634	8 50 4	-46 50.3	B0 III		U V A									5.10	-.21	-.54
76004		C-43	4711		8 50 4	-43 57.7	B3/5 V											6.36	-.16	-.62
76538	HR 3560	P-59	1174		8 52 40	-60 9.8	B5 III											5.77	-.09	-.55
76566	HR 3562	A	C-44	4951	8 53 34	-44 51.0	B3 IV		V									6.26	-.17	-.64
76728	HR 3571	A	P-60	1243	8 53 55	-60 27.2	B8 III		V									3.84	-.10	-.44
77002	HR 3582	A	P-58	1301	8 55 45	-59 2.1	B2 IV-V		V A									4.80	-.17	-.68T
77002	W/ 77002	B	P-58	1301	8 55 50	-59 2.0	(B9.5 V)		V									6.82		
77320	HR 3593	C-42	4875		8 58 33	-42 58.6	B2.5 V	EN	U									6.06	-.17	-.81
77475	HR 3600	C-41	4720		8 59 29	-41 40.0	B5 V		U									5.53	-.13	-.57
78616	CSV 6688	AB	C-44	5150	9 5 54	-44 25.8	B2/3 III		U V									6.78	-.02	-.75
79186	HR 3654	C-44	5206		9 9 15	-44 39.8	B5 IA		U S									5.00	.23	-.57
79351	A. CAR, HR 3659	P-58	1419	SCCE	9 9 39	-58 45.7	B2 IV-V		U S A Y C									3.44	.20	-.69
79416	HR 3661	ABC	C-43	5041	9 10 39	-43 24.4	B8 V		U S									5.57	-.11	-.47
79447	HR 3663	C-43	5068	SCCE	9 12 9	-43 56.3	B6 III		U S A Y C									3.93	-.19	-.67
79694	HR 3672	C-43	5068	SCCE	9 12 18	-43 56.3	B6 IV		U A H C									5.84	-.13	-.49
79735	HR 3674	A	C-42	5086	9 12 32	-43 1.2	B4 V	N	U V A									5.24	-.14	-.56
80404	IOT CAR	P-58	1465		9 15 45	-59 3.9	F0 IAB											2.25	.18	-.12
83944	HR 3856	P-60	1477		9 37 58	-61 6.1	B9 V		S									4.51	-.07	-.20
83979	ZET CHA	P-80	365		9 35 26	-80 43.0	B5 V		S									5.12	-.15	-.57
84228	HR 3868	P-54	2594		9 40 9	-54 59.1	B4 V											5.58	-.13	-.58
84809	HR 3883	P-56	2499		9 44 4	-56 20.3	B8 III-IV											6.45	-.12	-.56
85871	HR 3920	P-54	2816		9 51 17	-55 8.2	B1 IV	N										6.47	-.15	-.88
86440	PHI VEL	A	P-53	3075	9 55 6	-54 19.7	B5 IB		U V									3.53	-.09	-.62
87737	ETA LEO	AB	B+17	2171	10 4 37	17.4	A0 IB	S	SV									3.53	-.03	-.21
87901	ALF LEO	A	B+12	2149	10 5 43	12 12.7	B7 V		USV									1.35	-.12	-.37
90853	HR 4114	P-58	2227		10 26 2	-58 29.0	F0 IB		S									3.82	.31	-.23
91316	RHO LEO	AB	B+10	2166	10 30 11	9 33.8	B1 IAB/IB		USV									3.85	-.13	-.96
91465	PP CAR, HR 4140	P-61	1704		10 30 14	-61 25.7	B4 V	EN	SU									3.32	-.10	-.71
92664	HR 4185	P-64	1403		10 38 27	-64 50.3	B9 SI	P A										5.51	-.17	-.58
92740	HR 4188	P-59	2450		10 39 23	-59 24.9	WN7	PE										6.42	.08	-.83
93030	THT CAR	P-63	1599	2602	10 41 10	-64 7.9	B0.5 V P		U C									2.76	-.23	-1.02
93194	HR 4205	P-63	1623		10 42 18	-63 41.9	B4 IV	N										4.82	-.14	-.62
93845	DEL-2 CHA	P-73	556		10 45 20	-80 16.6	B2.5 IV											4.43	-.19	-.71
97583	HR 4355	A	P-63	1860	11 10 41	-63 53.9	(B9 V)		V									5.23	-.06	-.26
100841	LAM CEN	P-62	2127		11 33 28	-62 44.6	B9 II		V									3.13	-.05	-.15
101379	HR 4492	AB	P-64	1685	11 37 10	-65 7.2	G6 IIIP +A0V	P	M									5.16	.8	

TABLE 3.—Supplementary data for stars in catalog—Continued

HD	NAME/REMARK	COMP.	DM	GROUP	R.A. (1950)	DEC	SPEC. TYPE	PEC.	CODES	V	B-V/PG	U-B
								1 3	6 9 12 15 18 21			
115846	ALF VIR	A	P-66 2171		13 18 0	-67 16.5	B3 IV/V			7.05	-.04	-.54
116658	HR 5093	A	B-10 3672		13 22 33	-10 54.0	B1 IV		U S BP R	7.97	-.24	-.94
117651	HR 5093	A	P-64 2465		13 30 5	-65 22.6	A0 V			6.37	-.02	-.08
120640	HR 5206	A	C-46 8909		13 48 41	-46 39.1	B2 V P	P		5.77	-.16	-.77
120991	HR 5223	A	C-46 8931		13 50 50	-46 52.9	B2 III	E	S V	6.00	-.05	-.90T
121483	UPS-1 CEN	A	C-45 8822		13 53 41	-46 8.5	B2 V		U V A	6.95	-.13	-.82T
121790	BET CEN	AB	C-44 9010		13 55 35	-44 33.6	B2 IV-V		U V B	3.86	-.20	-.80
122451	HR 5316	A	P-59 5365		14 0 17	-60 7.9	B1 III	EN	U V H	.61	-.24	-.98
124367	HR 5316	A	P-56 6206		14 11 27	-56 51.2	B4 V			5.07	-.08	-.64
125238	IOT LUP	A	C-45 9084		14 16 11	-45 49.7	B2.5 IV			3.55	-.18	-.72
125288	HR 5358	AP	P-55 5984		14 16 49	-56 9.4	B6 IB			4.33	-.11	-.44
125721	HR 5375	AP	C-47 9082	SCCE	14 19 22	-48 5.5	B1 III	P	U V	6.09	-.14	-.89
125823	HR 5378, A. CEN	A	C-38 9329		14 19 57	-39 17.0	B7 III P		U V Y	4.41	-.19	-.74
126341	TAU-1 LUP	A	C-44 9322		14 22 55	-44 59.8	B2 IV		SV B	4.56	-.16	-.79
126759	HR 5413	A	C-47 9162		14 25 34	-47 46.1	B9 III/IV		C A	6.40	-.12	-.34
126983	SIG LUP	A	C-48 9098	SCCE	14 27 0	-49 17.8	A1 V		U V	5.37	-.05	-.06T
127381	HR 5439	A	C-49 8831		14 29 14	-50 14.2	B2 III		U V Y	4.42	-.19	-.84
127971	ETA CEN	A	C-40 8794	99	14 32 21	-41 17.9	B8	EN	U V	5.82	6.0	
127972	HR 5439	A	C-41 8917		14 32 19	-41 56.4	B1.5 V		U V	2.32	-.21	-.82
128345	RHO LUP	C-48	9198		14 34 31	-49 12.5	B5 V			4.05	-.15	-.56
128620	ALF CEN	A	P-60 5483		14 36 11	-60 37.8	G2 V		SV	0.3*		
128621	HR 5460, W/128620	B	P-60 5483		14 36 11	-60 37.8	K1 V		V	1.70		
128974	HR 5466	C-35	9702	SCCE	14 37 57	-35 55.3	A0 P	P A	U V	5.67	-.08	-.38T
129056	ALF LUP	A	C-46 9501		14 38 36	-47 10.5	B1.5 III		USV B	2.31	-.21	-.88
129092		AB	P-62 4257		14 39 30	-62 45.3	B3 V:		SV	6.41	-.08	-.54T
129116	HR 5471	A	C-37 9618	SCCE	14 38 51	-37 34.8	B3 V		U V A	4.00	-.18	-.70
129422	HR 5482	A	P-62 4275		14 41 18	-62 39.8	A7 V	N	U V	5.36	-.30	
129929	MU LIB	A	C-36 9605		14 43 19	-37.8	(B3 V)			8.09	-.18	-.87
130559	AX CIR, HR 5527	A	B-13 3986	99	14 46 34	-13 56.5	A1 SR, CR, EU	P A	V	5.38	-.07	-.05
130701	OMI LUP	AB	P-63 3436	SCCE	14 48 30	-63 36.3	G3 II + B8:		C C	5.90	-.74	
130807	ALF-1 LIB	B	C-43 9391		14 48 22	-43 22.2	B5 IV		USV A C	4.32	-.16	-.61
130819	ALF-2 LIB	B	B-15 3965		14 47 55	-15 4.4	F3 V		SV	5.15	-.40	-.02
130841	HR 5543	A	C-45 9362		14 48 7	-15 50.0	A2 IV	AM	SV	2.95	-.14	-.10
131120	HR 5543	SCCE	C-37 9760		14 49 42	-37 35.9	B7 III P	P	A	5.03	-.17	-.74
131492	THI CIR	AB	P-62 4337		14 52 41	-62 34.8	B4 V P	PEN	V	5.11	-.00	-.79
132058	BET LUP	C-42	9853	SCCE	14 55 15	-42 56.0	B2 III		U A H C	2.69	-.23	-.87
132200	KAP CEN	AB	C-41 9342	SCCE	14 55 54	-41 54.3	B2 IV	EN	USV A H C	3.13	-.21	-.78
133738	CSM 7170	P-61	4838		15 4 59	-61 41.8	B2 V		V A C	6.97	-.00	-.77
133955	LAM LUP	AB	C-44 9342	SCCE	15 9 55	-44 10.3	B3 V		V A C	4.06	-.18	-.68
134657	HR 5651	A	P-60 5680		15 9 55	-61 9.4	B5 V		U A C	3.62	-.05	-.88T
134687	HR 5661	AB	C-44 9932	SCCE	15 9 28	-44 18.8	B3 IV		U S A C	4.82	-.17	-.68
135160	HR 5661	AB	P-60 5698	SCCE	15 12 33	-60 43.2	B0.5 V	E	U S A C	5.73	-.08	-.89
135240	DEL CIR	A	P-60 5701		15 12 53	-60 46.4	07.5/8 III/V		V	5.09	-.06	-.91
135591	HR 5680	A	P-60 5720		15 14 46	-60 19.0	07/7.5 I/III		U V P	5.47	-.10	
135734	MU LUP	C-47	9860		15 15 3	-47 41.5	B8 V	N	U V	4.25	-.09	-.36
135917	GAM CIR	AB	P-59 5917	99	15 16 32	-59 21.8	B1 V		V	7.32	-.09	-.88
136415	EPS LUP	AB	P-58 5908		15 19 23	-59 8.6	B5 IV		U V	4.50	-.20	-.36
136504	GAM LUP	AB	C-44 10066		15 19 17	-44 30.7	B2 IV-V		U M	3.38	-.19	-.75
138690	PSI-2 LUP	AB	C-40 9760		15 31 48	-41.0	B2 IV	N	U V	2.79	-.21	-.82
140008	HR 5860	AB	C-34 10494	SCCE	15 39 29	-34 33.1	B5 V		S A	4.75	-.15	-.54
140784	1 SCO	AB	C-34 10524		15 43 32	-34 31.6	B7 V	N	U V	5.61	-.11	-.42
141637	2 SCO	AB	C-25 11131	2SCO	15 47 58	-25 36.0	B1.5 V		U V A P	4.65	-.16	-.74
142114	HR 5906	AB	C-24 12352	2SCO	15 50 36	-24 23.1	B2.5 V		U V A	3.62	-.08	-.55
142165	HR 5906	C-24	12354	2SCO	15 50 54	-24 23.1	B6 IV	N	V A PC	5.38	-.02	-.40
142184	HR 5907	C-23	12569	2SCO	15 50 57	-23 49.8	B2.5 V	N	A PC	5.41	-.05	-.62
142250	HR 5910	C-26	11096	2SCO	15 51 27	-27 11.5	B6 V		A A Y C	6.16	-.06	-.46
142301	3 SCO	B-20	12365	2SCO	15 51 39	-25 5.8	B8 III P	P	U M A Y C	5.88	-.07	-.60
142883	HR 5934	B-20	4364	2SCO	15 54 45	-20 50.4	B3 V	PE	S A P	5.86	-.02	-.48
142983	AB LIB	C-24	12302	SCCE	15 55 35	-24 41.3	B5 III P	P	S A Y	4.88	-.09	-.65
142990	HR 5942	A	C-25 12228	2SCO	15 55 49	-25 58.3	B4 IV P		U S A HP	2.90	-.19	-.90
143018	PI SCO	A	C-38 10797		15 56 48	-38 15.3	B2.5 IV	N	U V A	3.41	-.24	-.84
143118	ETA LUP	A	C-38 10832	SCCE	16 0 4	-38 27.9	B6 IV		U A Y	4.89	-.14	-.59
143699	HR 5967	C-36	10642	2SCO	16 3 18	-36 40.1	B2.5 V	N	U A	4.22	-.18	-.70
144294	THI LUP	C-24	12552	2SCO	16 4 52	-24 19.8	B7 III P	P	A Y	6.34	-.06	-.54
144661	HR 5998											
145842	THI NOR	C-47	10611	SCCE	16 11 37	-47 14.8	B8 IV		A	5.36		
147152	HR 6083	A	C-49 10591		16 18 43	-49 27.3	B6 IV			5.33	-.04	-.43
147165	SIG SCO	C-25	11485	2SCO	16 18 9	-25 28.5	B1 III		USMRA BP	2.88	-.14	-.69
147894	HR 6187	AB	C-47 10752		16 23 8	-47 55.9	B3 V		P	7.18	-.03	-.48
147971	EPS NOR	A	C-47 10765		16 23 31	-47 26.6	B4 V +		U M	4.6*	-.07	-.57
148478	ALF SCO	B	C-26 11359		16 26 20	-26 19.4	M1 IB		V	1.0*	1.83	1.27
148479	W/ 148478	C-26	11359		16 26 20	-26 19.4	B2.5 V		U S A P	5.2*		
148605	22 SCO	C-24	12695	2SCO	16 27 10	-25.4	B2 V		U S A	4.78	-.10	-.74
149038	MU NOR	C-43	10900	6169	16 30 31	-43 56.5	B0 IA/IAB		U A C	4.90	-.09	-.92
149404	HR 6164	C-42	11399	SCCE	16 32 51	-42 45.4	09 IA	E	A C	5.46	-.39	-.64
149438	TAU SCO	C-27	11015	SCCE	16 32 46	-28 6.8	B0 V		U S P	2.83	-.25	1.02
149499	HR 6174	AB	P-57 8088		16 34 19	-57 22.2	K0 V (+W.D.)		V	8.8	9.5	
149711	ZET OPH	A	C-43 10959	SCCE	16 34 54	-43 17.9	B2.5 IV		V A P	5.83	-.02	-.61
149757	HR 6187	B-10	4350		16 34 24	-10 28.1	09/9.5 V	EN	USCE	2.57	-.02	-.86
150041	W/ 150136	C-48	11056		16 36 59	-48 39.6	B0 III			7.07	-.08	-.81
150135	HR 6187	C-48	11070		16 37 34	-48 40.0	06.5/7 V		G P	6.89	-.17	-.80
150136	HR 6187	C-48	11070	6193	16 37 35	-48 40.0	05 III(F)	N	U M G P	5.46	-.18	-.80
150168	HR 6188	C-49	10890		16 37 53	-49 33.4	B1 IA/II		U	5.64	-.03	-.87
150898	HR 6219	P-58	6893		16 43 3	-58 15.1	B0.5 IA	N	US	5.57	-.08	-.98
151515		C-41	10925	6231	16 46 17	-41 54.9	07 II/III		P	7.16	-.18	-.72
151804	HR 6245	C-41	10957	6231	16 48 4	-41 8.8	B8 IA F	PE	U S A G	5.4*	-.09	-.76
151890	MU-1 SCO	C-37	11033	SCCE	16 48 29	-37 57.8	B1.5 IV	P	S A G	3.08	-.21	-.86
151932	HR 6249	C-41	10972	6231	16 48 48	-41 46.2	WN7	E	P	6.48	-.28	-.66
151985	MU-2 SCO	C-37	11037	SCCE	16 48 57	-37 56.0	B2 IV		V A P	3.56	-.22	-.84
152236	ZET-1 SCO	C-42	11633	15CO	16 50 28	-42 16.8	B1.5 IA+ P	PE	U A H C	4.74	5*	5*
152408	HR 6272	A	C-40 10919	15CO	16 51 29	-41 4.3	B8 IA F	PE	U V	5.80	-.18	-.74
152478	HR 6274	C-50	10905		16 52 17	-50 35.7	B3 V P	PEN		6.33	-.02	
152761	HR 6304	P-58	6964		16 57 27	-58 33.1	B2 IV	EN		6.11	-.13	-.87T
153716	HR 6320	P-57	8265	SCCE	17 0 9	-37 38.5	B5 IV			5.73	-.10	-.58
153919		C-37	11206	6281	17 0 33	-37 46.5	06.5 IA F+		U O	6.55	-.26	-.73

TABLE 3.—Supplementary data for stars in catalog—Continued

HD	NAME/REMARK	COMP.	DM	GROUP	R.A. (1950)	DEC	SPEC. TYPE	PEC.	CODES	V	B-V/PG	U-B
									1 3 6 9 12 15 18 21			
154090	HR 6334	A	C-33 11706		17 1 32	-34 3.3	B1 IA	E	SV P	4.86	.27	-.71
155806	HR 6397		C-33 11875	SCCE	17 12 2	-33 29.5	07.5/8 V/III	E	U A PC	5.53	-.01	-.92
155889		AB	C-33 11887		17 12 33	-33 40.9	09 IV		U V	6.55	-.01	-.86
156385			C-45 11592		17 15 49	-45 35.3	WC7			6.92	-.05	-.43
157042	IOT ARA	A	C-47 11484		17 19 31	-47 25.3	B2 III	PE	EN U V H	3.27	-.11	-.82
157056	THT OPH		C-24 13292	SCCE	17 18 56	-24 57.1	B2 IV		U A BP	3.27	-.22	-.85
157792	44 OPH		C-24 13337		17 23 19	-24 7.8	A3 M	AM		4.17	.28	-.10
157832		AB	C-46 11530		17 24 10	-46 59.1	(B5 V) E	EN	V	6.55	.03	-.87
157864	HR 6490		C-25 12160		17 23 49	-25 54.0	A0 V			6.32	.56	
157978	HR 6497		B+07 3368	99	17 23 54	7 38.2	G2 I +A0		S	5.90	6.6	
158408	UPS SCO		C-37 11638	SCCE	17 27 22	-37 15.4	B2 IV		U S A C	2.67	-.22	-.83
158643	51 OPH		C-23 13412		17 28 22	-23 55.5	(B9.5 V)	N		4.81	.00	-.05
158704	HR 6520		C-26 12152		17 28 38	-26 14.0	B9 P			6.05	-.06	-.37
158926	LAM SCO	A	C-37 11673		17 30 13	-37 4.1	B1.5 IV		U V	1.62	-.22	-.90
159532	THT SCO		C-42 12312		17 33 43	-42 58.1	F0/1 IB/II		U V H	1.87	.40	-.17
162978	HR 6672		C-24 13615		17 51 49	-24 52.7	07.5/8.5 II		U O P	6.19	.04	-.88
163472	HR 6684		B+00 3813	25GR	17 53 45	0 40.6	B2 IV-V		U V P	5.83	.09	-.66
164402	HR 6716	A	B-22 4503		17 58 53	-22 46.8	B0 IB		U V P	5.76	-.04	-.88
164447	HR 6720		B+19 3494		17 58 17	19 30.4	B8 V	EN	N	6.38	-.06	-.40
164577	68 OPH	AB	B+01 3560		17 59 13	1 18.3	A2 V	N	M Y	4.44	.02	-.00
164794	9 SGR		C-24 13814	6530	18 0 48	-24 21.8	Q4 V		U P	5.97	.03	-.93
164852	96 HER		B+20 3649		18 0 15	20 49.9	B3 IV		U P	5.27	-.10	-.61
165016			C-24 13853		18 1 54	-24 41.1	B0 V		U O P	7.33	-.04	-.87
165024	THT ARA		C-50 11720		18 2 44	-50 5.8	B2 IB		U C	3.66	-.08	-.87
165763			B-21 4864		18 5 29	-21 15.8	WC5/6	E		7.82	-.28	-.38
166182	102 HER	A	B+20 3674		18 6 37	20 48.3	B2 IV		U V BP	4.36	-.16	-.82
166937	MU SGR	A	B-21 4908		18 10 46	-21 4.4	B9 IA	PE	SM A GPC A	3.86	.23	-.4*
167263	16 SGR		B-20 5055	SCCE	18 12 14	-20 24.3	09/9.5 II		USVO P	5.96	.03	-.88
167264	15 SGR		B-20 5054		18 12 14	-20 44.7	B0 IA/IB		US A PC	5.37	.06	-.87
168905	HR 6875	A	C-44 12569		18 20 40	-44 8.2	B2.5 V	N	V Y	5.24	-.19	-.71
169022	EPS SGR	A	C-34 12784		18 20 51	-34 24.5	B9 IV	P	U V	1.84	-.03	-.1*
169467	ALF TEL		C-46 12379		18 23 16	-45 59.8	B3 IV		U	3.51	-.17	-.64
170465	DEL-1 TEL		C-45 12550		18 28 3	-45 57.0	B7 IV		S	4.95	-.12	-.44
171034	HR 6960		C-33 13338		18 30 41	-33 3.3	B2 IV-V			5.28	-.12	-.71
172167	ALF LYR	A	B+38 3238		18 35 14	38 44.1	A0 V		USV P	.04	.00	.01
173417	HR 7044		B+31 3348		18 41 59	31 52.7	F1 III-IV			3.72	.33	.03
173648	ZET-1 LYR	A	R+37 3222		18 43 3	37 33.1	A4 M	P	AM SV H	3.24	.20	.16
173649	ZET-2 LYR, W/ZET-1	D	B+37 3223		18 43 5	37 32.5	F0 IV	N	V	5.74	.28	.06
173948	LAM PAV	A	P-62 5983		18 47 35	-62 14.8	B2 II-III	E	U V Y	4.23	-.15	-.88
174179	HR 7081		B+31 3369		18 46 4	31 42.0	B3 IV P	P	S S V	6.05	-.13	-.67
174585	8 LYR	A	B+32 3227		18 47 54	32 45.2	B3 IV		V HP A	5.93	-.19	-.72
174638	BET LYR	A	B+33 3223		18 48 14	33 18.3	B8 +	PE	S U M GP	3.42	.01	-.56
174959	HR 7115	A	B+36 3295		18 49 51	36 28.7	B6 IV		S HP	6.08	-.11	-.49
175426	DEL-1 LYR	A	B+36 3307		18 52 59	36 54.5	B2.5 V		S HP	5.57	-.15	-.67
175876		A	B-20 5344		18 55 13	-20 29.5	06.5 III(F)		V	6.94	-.11	-1.01
176318	HR 7174		B+38 3373		18 56 19	38 11.8	B7 IV		S	5.72	-.17	-.52
176437	GAM LYR	A	B+32 3286		18 57 4	32 37.2	B9 III		SV H	3.25	-.09	-.09
177724	ZET AQL	A	B+13 3899		19 3 7	13 47.4	A0 V	N	SV	2.99	.01	.01
181454	BET-1 SGR	A	C-44 13277		19 19 3	-44 33.3	B9 V		N V	4.01	-.10	-.38
181623	BET-2 SGR		C-45 13171		19 19 36	-44 53.7	F0 III	N		4.29	.34	.06
181869	ALF SGR		C-40 13245		19 20 25	-40 42.6	B9 III		S	3.99	.11	.32
183007	HR 7392		C-43 13395		19 25 50	-43 32.8	A M +	AM		5.71	.11	.32
184905	V1264 CYG		B+43 3290		19 33 9	43 50.1	A0 P	P	A U S Y	6.61	.03	-.23
185872	14 CYG		B+42 3413		19 37 49	42 42.1	B9 III		S	5.40	.09	-.22
186618		A	B+46 2765		19 41 54	47 7.5	B0.7 IV	N	V P	7.75	-.17	-.98
187459	HR 7551		B+33 3602		19 46 56	33 18.7	B0.5 II	N	U C HP	6.45	-.20	-.75
187879	V380 CYG, HR 7567		B+40 3902		19 48 54	40 28.3	B1 III		S S GP	5.68	-.04	-.78
188209	HR 7589		B+46 2793		19 50 29	46 53.9	09.5 IA/IB	P	S U	5.62	-.07	-.97
188252	HR 7591		B+47 2939		19 50 39	47 48.1	B2 III		S HP	5.91	-.18	-.86
188439	V819 CYG, HR 7600		B+47 2945		19 51 32	47 40.6	B0.5 III	P	N BP	6.30	-.11	-.90
188892	22 CYG		B+38 3817		19 54 4	38 21.2	B5 IV		S P	4.94	-.09	-.52
189687	25 CYG		B+36 3806		19 58 5	36 54.5	B3 IV		S P	5.19	-.17	-.69
191610	28 CYG		B+36 3907		20 7 34	36 41.5	B2.5 V	EN	S YP A	4.94	-.14	-.75
192103	V1042 CYG	A	B+35 4013		20 10 1	36 2.8	WC7/8	E	U V HP	8.10	-.04	-.40
192163		B+37 3821		20 10 16	38 12.3	WN6				7.49	-.03	-.40
192577	31 CYG	A	B+46 2882	99	20 12 3	46 35.3	K2 II +B3 V	P	U M G	3.79	1.30	.44
192909	32 CYG	A	B+47 3059	99	20 13 55	47 33.6	K3 IB +B		U S GP	3.99	1.52	1.03
193182			B+39 4115		20 15 37	39 26.2	B9/A0 IA/II	PE	S S P	6.52	-.09	-.18
193237	P CYG, 34 CYG		B+37 3871		20 15 57	37 52.6	B1 P	PES	S NP A	4.79	.42	-.58
193369	36 CYG		B+36 3998		20 16 36	36 50.6	A2 V		S	5.57	.06	.02
193536	HR 7777		B+45 3139		20 17 13	46 9.9	B2 V		S HP	6.45	-.12	-.69
194335	HR 7807		B+37 3916		20 21 52	37 18.8	B2 V	PEN	S P	5.91	-.21	-.83
197345	ALF CYG	A	B+44 3541		20 39 44	45 6.0	A2 IA		USV HP	1.25	.09	-.23
199081	57 CYG		B+43 3755		20 51 29	44 11.8	B5 V	E	USV HP A	4.78	-.15	-.58
199579	HR 8023		B+44 3639		20 54 49	44 43.9	06/6.5 V/III		U SO	5.96	.04	-.86
200310	60 CYG	AB	B+45 3364		20 59 26	45 57.5	B1 V	EN	V P A	5.37	.23	-.93
200595	HR 8064	AB	B+45 3374		21 1 3	45 39.0	B3 V		N U M	6.49	-.15	-.56
201733	HR 8103		B+44 3718	7039	21 8 11	45 17.9	B4 IV P	PE	S V P	6.65	-.18	-.61
201819	HR 8105		B+35 4426		21 9 3	36 5.7	B0.5 IV	P	N V P A	6.53	-.14	-.93
202214	HR 8119	AB	B+59 2324	1CEP	21 10 32	59 46.8	B0 V		U VOA	5.64	.12	-.77
202347			B+45 3456	7039	21 11 53	45 24.2	B1.5 V			7.50	-.09	-.62
202904	UPS CYG	A	B+34 4371		21 15 52	34 41.2	B2 V	EN	U M HP A R	4.45	-.12	-.81
203064	68 CYG		B+43 3877		21 16 35	43 44.1	07.5/8 III/V	N	U P A HR	4.99	-.02	-.95
203280	ALF CEP	A	B+61 2111		21 17 22	62 22.3	A7 IV-V		USV P	2.44	.23	.11
203338	HR 8164	A	B+58 2249		21 17 53	58 24.7	M1EP IB +B	PE	M	5.66	1.35	.05
203339	W/ 203338	B	B+58 2249		21 17 53	58 24.8	B3 V		V	10.0		
203467	6 CEP		B+64 1527		21 18 20	64 39.6	B2 IV			5.18	-.04	-.59
204172	69 CYG	A	B+36 4357		21 23 44	36 27.0	B0 IB	EN	USV P A	5.93	-.08	-.95
204403	70 CYG		B+36 4568		21 25 19	36 53.9	B3 IV		P A	5.30	-.14	-.65
205021	BET CEP	A	B+69 1173		21 28 1	70 20.5	B1 III		U V BP	3.22	-.22	-.97
205139	HR 8243		B+59 2395		21 29 37	60 14.3	B1 IB	S	PC A	5.22	-.12	-.74
205314	HR 8246		B+49 3553		21 31 10	49 45.3	A0 V		S	5.75	-.03	-.12
206165	9 CEP		B+61 2169		21 36 35	61 51.4	B2 IB		US P A	4.74	-.29	-.53
206267	HR 8281	AB	B+56 2617		21 37 24	57 15.7	06/6.5 V	N	USM P	5.64	-.21	-.73
206365			B+49 3590		21 38 23	49 27.3	B9 V (M)			7.18	-.07	-.08

TABLE 3.—*Supplementary data for stars in catalog—Continued*

HD	NAME/REMARK	COMP.	DM	GROUP	R.A. (1950)	DEC	SPEC. TYPE	PEC. CODES	V	B-V/PG	U-B
206672	PI-1 CYG		B+50 3410		21 40 19	50 57.6	B3 IV	1 3 6 9 12 15 18 21	4.67	-.12	-.69
206696			B+50 3411		21 40 34	50 37.7	B7 V	U S	7.24	-.05	-.44
207330	PI-2 CYG		B+48 3512		21 39 57	49 4.7	B2.5 III	U S	4.23	-.12	-.71
208682	HR 8375	AB	B+64 1607		21 54 12	65 5.0	B2.5 V	U V P A	5.89	-.08	-.76
208816	VV CEP, HR 8383	AB	B+62 2007		21 55 14	63 23.2	M2EP IA +B	EN U V GP M	4.92	1.77	-.39
208947	HR 8384		B+65 1691		21 55 54	65 55.0	B2 V	S P	6.40	-.06	-.69
209339	HR 8399	AB	B+61 2233		21 59 9	62 14.8	B0 IV	U V P A	6.6*	-.06	-.82
209481	14 CEP		B+57 2441		22 0 24	57 45.5	08.5/9 III/V	N USS YP A R	5.56	.6	-.86
209790	XI CEP	A	B+63 1802		22 2 20	64 23.0	A3 M	AM V	4.28	.35	-.09
209791	W/ 209790	B	B+63 1802		22 2 19	64 23.1	G	V	6.5	6.1*	
209975	19 CEP	AB	B+61 2246		22 3 36	62 2.2	09.5 IB	USV P A R	5.11	.08	-.84
210839	LAM CEP		B+58 2402		22 9 48	59 10.0	06 I F P	E US E PC A R	5.04	.25	-.74
211242	HR 8490		B+62 2053		22 12 15	62 54.8	B8 V	N S	6.14	-.09	-.44
212120	2 LAC	A	B+45 3894		22 18 57	46 17.1	B6 V	M P	4.57	-.10	-.51
212593	4 LAC		B+48 3715		22 22 29	49 13.3	B9 IAB	USE G	4.56	.09	-.35
212883	HR 8549	A	B+36 4835		22 24 32	37 11.3	B2 V	S V A P	6.46	-.13	-.75
212978	HR 8553		B+39 4841		22 25 15	39 33.3	B1.5 V	S A Y	6.15	-.14	-.77
213310	5 LAC		B+46 3719	99	22 27 26	47 27.0	M0 IB +B	S A P	4.35	1.69	1.14
214167	W/ 214168	B	B+38 4808		22 33 38	39 22.1	B1.5 V	SV A P	6.45	-.14	-.83
214168	8 LAC	A	B+38 4808		22 33 39	39 22.5	B1 V	EN V P	5.73	-.15	-.90
214263			B+37 4631		22 34 7	37 35.0	B2 V	S A P	6.85	-.13	-.78
214680	10 LAC	A	B+38 4826	1LAC	22 37 1	38 47.4	09 V	S USVOA P A R	5.27	-.20	-1.04
214932	12 LAC, DD LAC	A	B+39 4912		22 39 14	39 57.8	B1.5/2 III	S U S A BP A	4.24	-.14	-.87
216916	EN LAC, 16 LAC	A	B+40 4949		22 54 6	41 20.2	B2 IV	S U M A	5.59	-.14	-.83
217050	EW LAC, HR 8731		B+47 3985		22 54 51	48 25.0	B4 III P	PEN S C PP	5.43	-.08	-.53
217675	OMI AND		B+41 4664	99	22 59 36	42 3.3	B6 PE	PEN SU C P	3.62	-.10	-.53
217943	HR 8777	A	B+59 2631		23 1 19	60 10.5	B2 V	S V P A	6.73	-.02	-.63
218045	ALF PEG		B+14 4926		23 2 16	14 56.2	B9 V	USC YP	2.49	-.04	-.04
218376	1 CAS		B+58 2545		23 4 29	59 27.0	B0.5 III	U C PC	4.86	-.03	-.87
218440	HR 8803		B+58 2546		23 5 3	59 29.4	B2/2.5 V/IV	S S P	6.39	-.01	-.64
218537	HR 8808	AB	B+62 2171		23 5 45	63 21.8	B3 V	SV P	6.26	-.02	-.60
219634	HR 8854		B+61 2413		23 14 17	61 41.4	B0 V	N S	6.53	.24	-.67
220057			B+60 2521	7654	23 17 48	60 52.6	B2 V	0 P A	6.93	.03	-.59
221253	AR CAS, HR 8926	AB	B+57 2748		23 27 43	58 16.4	B3 IV	U V GP	4.90	-.13	-.64
222109	HR 8962	AB	B+43 4508		23 35 5	44 9.2	B8 V	N V	5.80	-.06	-.32
222173	101 AND		B+42 4720		23 35 40	42 59.5	B8 V	SS GP	4.27	-.10	-.32
222439	KAP AND	A	B+43 4522		23 37 56	44 18.4	B9 IV	N SV P	4.14	-.08	-.25
224572	SIG CAS	AB	B+54 3082		23 56 28	55 28.6	B1 V +B3 V	N U V P A	4.89	-.08	-.81

later by Morgan and Keenan (ref. C22) or for O9 and earlier by Walborn (refs. C01 and C02) had top priority. If a classification from these sources was not available, preference was given to Lesh (ref. C21) or to Hiltner, Garrison, and Schild (ref. A27) for B stars and to Conti and Leep (ref. C23) for O stars. When spectral types were taken from other sources, the goal was to provide the most reliable type for each star or to show a range of types when classifiers of comparable reliability disagreed. When a range is shown (with slashes), the first luminosity class corresponds to the first temperature class. In some instances, the only type found was that of a classifier whose results showed a greater than average scatter, and in these cases the spectral type was put in parentheses. In many instances only an HD type was originally available. MK Classifications for most of these stars were obtained (refs. C14 and C18) at McDonald Observatory.

The codes "n" or "nn" frequently given to denote broadened lines were not considered an integral part of the type and are indicated by a peculiarity code instead. For a spectrum considered peculiar by the prime classifier, a "P" appears as part of the spectral type; a "P" appearing as the first of the peculiarity

codes either repeats this observation or originated from a separate source. The first few peculiarity codes denote spectrum peculiarities, while most other codes indicate types of additional information available. The key given in table 5 is adapted from the "Users Guide to the Magnetic Tape Version of the Telescope Catalog of Ultraviolet Stellar Observations" (NSSDC 73-09).

The values of V, B-V, and U-B were taken primarily from references A19 and J01 and from the photometric results (ref. AAB) for stars contained in the Telescope catalog but with no previous photometry. When more than one set of observations was available, they were averaged by using the stated number of measurements in each set. Asterisks (\*) denote cases of substantial disagreement, variation, or uncertainty. If no UB data have been found a photographic magnitude ( $m_{pg}$ ) is sometimes displayed in the column usually containing the B-V index. A "T" after the U-B value means that this value results from transforming a (U-B)<sub>c</sub> value (if less than 1.46) by using table 3 of ref. AAB. A "C" after U-B indicates UB data measurements representing the combined light from a pair of stars having separate entries in the table.

TABLE 4.—Cross index of stars by common designation

Name	HD	Name	HD	Name	HD	Name	HD
$\alpha$ And	358	$\theta$ Cir	131492	102 Her	166182	$\theta$ Mus	113904
$\iota$ And	222173	AX Cir	130701	DD Lac	214993	$\lambda$ Mus	102249
$\kappa$ And	222439	$\delta$ CMa	54605	EN Lac	216916	$\epsilon$ Nor	147971
$\circ$ And	217675	$\eta$ CMa	58350	EW Lac	217050	$\theta$ Nor	145842
$\zeta$ Aql	177724	$\kappa$ CMa	50013	2 Lac	212120	$\mu$ Nor	149038
$\theta$ Ara	165024	$\sigma^2$ CMa	53138	4 Lac	212593	$\zeta$ Oph	149757
$\iota$ Ara	157042	$\tau$ CMa	57061	5 Lac	213310	$\theta$ Oph	157056
$\alpha$ Aur	34029	$\omega$ CMa	56139	8 Lac	214168	44 Oph	157792
$\zeta$ Aur	32068	UW CMa	57060	10 Lac	214680	51 Oph	158643
$\eta$ Aur	32630	10 CMa	48917	12 Lac	214993	68 Oph	164577
26 Aur	37269	26 CMa	55522	16 Lac	216916	$\beta$ Ori	34085
$\alpha$ Car	45348	27 CMa	56014	$\alpha$ Leo	87901	$\gamma$ Ori	35468
$\theta$ Car	93030	29 CMa	57060	$\beta$ Leo	102647	$\delta$ Ori	36486
$\iota$ Car	80404	$\alpha^1$ Cru	108248	$\eta$ Leo	87737	$\epsilon$ Ori	37128
a Car	79351	$\zeta$ Cru	106983	$\rho$ Leo	91316	$\zeta$ Ori	37742
PP Car	91465	$\lambda$ Cru	112078	$\lambda$ Lep	34816	$\theta^2$ Ori	37041
$\beta$ Cas	432	$\alpha$ Cyg	197345	$\mu$ Lep	33904	$\iota$ Ori	37043
$\gamma$ Cas	5394	$\pi^1$ Cyg	206672	8 Lep	35337	$\lambda$ Ori	36861
$\zeta$ Cas	3360	$\pi^2$ Cyg	207330	$\alpha^1$ Lib	130819	$\sigma$ Ori	37468
$\kappa$ Cas	2905	$\nu$ Cyg	202904	$\alpha^2$ Lib	130841	$\tau$ Ori	34503
$\lambda$ Cas	2772	P Cyg	193237	$\mu$ Lib	130559	$\nu$ Ori	36512
$\circ$ Cas	4180	V380 Cyg	187879	48 Lib	142983	$\phi^1$ Ori	36822
$\sigma$ Cas	224572	V819 Cyg	188439	$\alpha$ Lup	129056	$\psi$ Ori	35715
AO Cas	1337	V1042 Cyg	192103	$\beta$ Lup	132058	$\omega$ Ori	37490
AR Cas	221253	V1264 Cyg	184905	$\gamma$ Lup	138690	VV Ori	36695
1 Cas	218376	14 Cyg	185872	$\epsilon$ Lup	136504	22 Ori	35039
$\alpha$ Cen	128620	22 Cyg	188892	$\eta$ Lup	143118	23 Ori	35149
$\beta$ Cen	122451	25 Cyg	189687	$\theta$ Lup	144294	25 Ori	35439
$\eta$ Cen	127972	28 Cyg	191610	$\iota$ Lup	125238	32 Ori	36267
$\kappa$ Cen	132200	31 Cyg	192577	$\lambda$ Lup	133955	33 Ori	36351
$\lambda$ Cen	100841	32 Cyg	192909	$\mu$ Lup	135734	49 Ori	37507
$\nu^1$ Cen	121790	36 Cyg	193369	$\circ$ Lup	130807	$\lambda$ Pav	173948
a Cen	125823	57 Cyg	199081	$\rho$ Lup	128345	$\alpha$ Peg	218045
$\alpha$ Cep	203280	60 Cyg	200310	$\sigma$ Lup	127381	$\alpha$ Per	20902
$\beta$ Cep	205021	68 Cyg	203064	$\tau^1$ Lup	126341	$\beta$ Per	19356
$\lambda$ Cep	210839	69 Cyg	204172	$\psi^2$ Lup	140008	$\gamma$ Per	18925
$\xi$ Cep	209790*	70 Cyg	204403	$\alpha$ Lyr	172167	$\delta$ Per	22928
VV Cep	208816	$\alpha$ Eri	10144	$\beta$ Lyr	174638	$\zeta$ Per	24398
6 Cep	203467	$\beta$ Eri	33111	$\gamma$ Lyr	176437	$\xi$ Per	24912
9 Cep	206165	$\lambda$ Eri	33328	$\delta^1$ Lyr	175426	$\phi$ Per	10516
14 Cep	209481	$\psi$ Eri	32249	$\zeta^1$ Lyr	173648	$\psi$ Per	22192
19 Cep	209975	62 Eri	31512	8 Lyr	174585	X Per	24534
$\delta^2$ Cha	93845	66 Eri	32964	S Mon	47839	32 Per	20677
$\zeta$ Cha	83979	3 Gem	42087	13 Mon	46300	34 Per	21428
$\gamma$ Cir	136415	4 Gem	42216	15 Mon	47839	40 Per	22951
$\delta$ Cir	135240	96 Her	164852	$\eta$ Mus	114911	42 Per	23848

TABLE 4.—Cross index of stars by common designation—Continued

Name	HD	Name	HD	Name	HD	Name	HD
48 Per	25940	$\sigma$ Sco	147165	16 Sgr	167263	53 Tau	27295
53 Per	27396	$\tau$ Sco	149438	$\zeta$ Tau	37202	56 Tau	27309
$\delta$ Pic	42933	$\nu$ Sco	158408	$\eta$ Tau	23630	67 Tau	27946
$\zeta$ Pup	66811	1 Sco	141637	$\theta^2$ Tau	28319	81 Tau	28546
o Pup	63462	2 Sco	142114	$\kappa$ Tau	27934	83 Tau	28556
a Pup	64440	3 Sco	142301	$\xi$ Tau	21364	114 Tau	35708
3 Pup	62623	22 Sco	148605	$\rho$ Tau	28910	$\alpha$ Tel	169467
$\alpha$ Sco	148478	$\alpha$ Sgr	181869	$\sigma^1$ Tau	29479	$\delta^1$ Tel	170465
$\zeta^1$ Sco	152236	$\beta^1$ Sgr	181454	$\sigma^2$ Tau	29488	$\gamma$ Vel	68273
$\theta$ Sco	159532	$\beta^2$ Sgr	181623	$\nu$ Tau	28024	$\delta$ Vel	74956
$\lambda$ Sco	158926	$\epsilon$ Sgr	169022	$\omega$ Tau	27045	o Vel	74195
$\mu^1$ Sco	151890	$\mu$ Sgr	166937	4 Tau	21686	$\phi$ Vel	86440
$\mu^2$ Sco	151985	9 Sgr	164794	6 Tau	21933	$\alpha$ Vir	116658
$\pi$ Sco	143018	15 Sgr	167264	17 Tau	23302		

\*Although the "Catalogue of Bright Stars" gives HD 209791 for  $\xi$  Cep, the primary, A-type star is really HD 209790.

### Flux Adjustment Factors and Assessment of Precision

The absolute flux levels for most stars were compared with other satellite measurements or with predicted fluxes to assess the accuracy of the calibration and to provide the user with adjustment factors. The adjustment factor  $r$ , defined by:

$$(\text{absolute flux}) \simeq (\text{S-019 flux}) \times r \quad (2)$$

is given at the bottom of the catalog page for each star and may be applied to the tabulated data to obtain a closer approximation to the absolute flux. The factor is determined by comparison at selected wavelengths between S-019 fluxes resulting from the adopted calibration and one of the following: (a) the flux measured by the S2/68 spectrometer on the TD-1 satellite (refs. U30 and 11); (b) the flux measured by the WEP spectrometer on OAO-2 (ref. U29), but adjusted by as much as 25 percent to agree with TD-1 fluxes on the average; (c) the flux computed from intrinsic UV colors (derived (ref. 12) from TD-1 fluxes as a function of spectral type), from the visual magnitude, and from interstellar extinction corrections using  $E(B-V)$  derived (ref. 13) by the Q method from UVB photometry; or (d) the flux from model atmospheres (ref. 14) and from the visual magnitude.

Case  $c$  is denoted by a colon (:) after the  $r$  value given in the catalog. This method is restricted to spec-

tral classes earlier than A0 but works rather well; the observed dip around 2200 Å due to extinction usually agrees well with the prediction from UVB colors. As a check of this procedure, 16 stars of various spectral types having observed TD-1 fluxes were examined; a dispersion of 0.08<sub>5</sub> dex (22 percent) was found but there was no significant shift between cases  $c$  and  $a$ .

Case  $d$  is used for A0 to A7 stars not measured by TD-1 or OAO-2 and is denoted by parentheses ( ) around the  $r$  value. For most of these stars no extinction correction is indicated by the B-V value. For stars cooler than A7 and for composite systems no comparison was attempted, but an expected  $r$  value, which will be discussed, is given in brackets < >.

Generally, a single adjustment factor applies within  $\pm 0.06$  dex (15 percent) over the entire UV spectrum, but in some cases (denoted by +- ) there is a significant slope in the residual leading to a range on the order of 0.2-0.3 dex from the shorter to the longer wavelengths. In these cases, a weighted mean  $r$  value is given.

In one case,  $\delta$  Ori (HD 36486), there were sufficiently good observations on two separate dates to justify separate tabulations for the two sets of exposures. This star has been reported to have variable UV resonance line profiles (ref. U50). Possibly significant differences in the S-019 observations of the Si IV and C IV resonance lines occurred between these dates.

TABLE 5.—*Explanation of peculiarity codes in table 3*

Column	Pec. Code	Information
1	P	Peculiar spectrum
2	E	Any type of emission
3	N	Nebulous lines
	S	Sharp lines
4	A	Peculiar A-type stars
5	M	Metallic-line stars
6	S	Shell spectrum
7	U	Observed in the UV region below 3000 Å (other than Celescope or TD-1 surveys)
8	S	Standard on MK or UBV system
9	V	Visual binary
	S	Spectroscopic binary
	C	Composite spectrum
	M	Multiple star, often visual plus spectroscopic
10	E	Emission nebula
	O	Object surrounded by or associated with nebulosity
	R	Reflection nebula
11	G	Galactic cluster (member)
	A	Association member
12		Not used (galaxy type)
13	A	$\alpha$ Canum Venaticorum variable
	B	$\beta$ Canis Majoris variable
	C	Classical Cepheid variable
	G	Eclipsing variable
	H	Suspected variable
	I	Irregular variable other than Ia of 969 (table 8)
	J	RW Aurigae variable
	N	Nova-like variable
	P	Peculiar variable
	X	Early-type irregular variable (type Ia of 969 (table 8))
	Y	Unspecified variable
14	P	Polarization data given
15	C	Interstellar lines of calcium II, H and K
16	S	Interstellar lines of sodium D
17	A	Interstellar 4430-Å absorption band
18	R	Radio source
19	H	High velocity
20	R	Measured axial rotation
21	M	Magnetic field

After correction with the respective adjustment factors (+0.02 dex and -0.08 dex), the fluxes agree to within 0.10 dex (total range) outside of the C IV line and at wavelengths shorter than 1900 Å, at which overexposure becomes serious.

Two phases of the eclipsing system  $\beta$  Lyr (HD

174638) were observed and are tabulated separately. Published TD-1 fluxes give  $r = 0.71$  at phase 0.25 and  $r = 0.63$  at phase 0.50, but because of the variability these values are probably no more reliable than the normal  $r = 1.00$ .

The log  $r$  values determined from TD-1 or OAO-2

fluxes, i.e., cases *a* and *b*, are illustrated in figure 8 as a function of mission and number of measured spectra coadded for each star (either one spectrum or more than one spectrum). The SL2/3 results for two or more spectra exhibit essentially zero offset for the mean and one-sigma scatter of  $\pm 0.11_5$  dex (0.29 mag) from a sample of 117 stars. The SL2/3 stars with only one spectrum show slightly greater scatter, but they also show a systematic shift of  $-0.08$  dex ( $-0.20$  mag) in the mean of the distribution. A larger shift of about  $-0.13$  dex ( $-0.33$  mag) shows up in both sets of SL4 data plotted in the lower half of the figure. The  $\log r$  values for stars used in determining the flux calibration are plotted as shaded entries in the histograms and listed in table 6 with the number of exposures on each mission indicated. The calibration star distributions center around zero, as they should, both for SL2/3 and SL4. Evidently the data available for

SL4 at the time of deriving the calibration did not include a sufficient number of stars to represent the actual distribution adequately.

Analysis of the  $\log r$  values as a function of frame number reveals a systematic shift of  $+0.06$  dex for SL2 and shifts ranging from about  $-0.12$  to  $-0.03$  dex for SL3 frames 103 to 220 (fewer calibration stars were available in this range). Except for the overall shift for SL4, no other trends are apparent. Removing these effects and the residual vignetting errors (section II) to obtain a set of "normalized"  $\log r$  values, the revised mean shifts and standard deviations are as follows: SL2/3, multiple exposures,  $+0.02 \pm 0.10$ ; SL2/3, single exposure,  $-0.02 \pm 0.12$ ; and SL4, no significant change. These standard deviations (averaging 0.27 mag for SL2/3) are more indicative of the real scatter in determining absolute fluxes from the S-019 film. In the normalized data there is much less difference between the distributions for multiple vs single exposures. Appropriate shifts dependent on frame number and plate position are used to predict  $r$  values (in brackets  $\langle \rangle$ ) for stars for which  $r$  could not be obtained directly. For case *d* and for case *c* when there was uncertainty regarding the appropriate intrinsic colors (double colon ::), the estimated  $\log r$  value and the predicted  $\log r$  value were averaged to obtain the final recommended  $r$  value given in the catalog.

A further comparison can be made between S-019 near-UV fluxes and ground-based photometry. Calibration in the 3200-4200-Å region is based on a small number of stars that are faint enough not to be seriously overexposed and for which suitable spectrophotometric results could be found (ref. F01). As described in section IV, a magnitude  $m_{360}$  was computed from the S-019 spectrophotometric results and should be related to the U magnitude in the Johnson UB system by:

$$m_{360} \approx U_J - 0.20 \quad (3)$$

This relationship is confirmed in figure 9, in which all stars observed during SL2 or SL3 with average weight 0.3 or more in the 360-nm band (minimum weight 0.4 if a single exposure or if  $\sigma > 15$  percent) are plotted if they have U magnitudes available (table 3). The mean shift with respect to the expected relationship is  $-0.11$  mag. The dispersion, 0.37 mag, is only slightly greater than the dispersion in the middle and far-UV regions, as discussed. The data for SL4 are plotted separately in figure 10; their shift of  $-0.42$

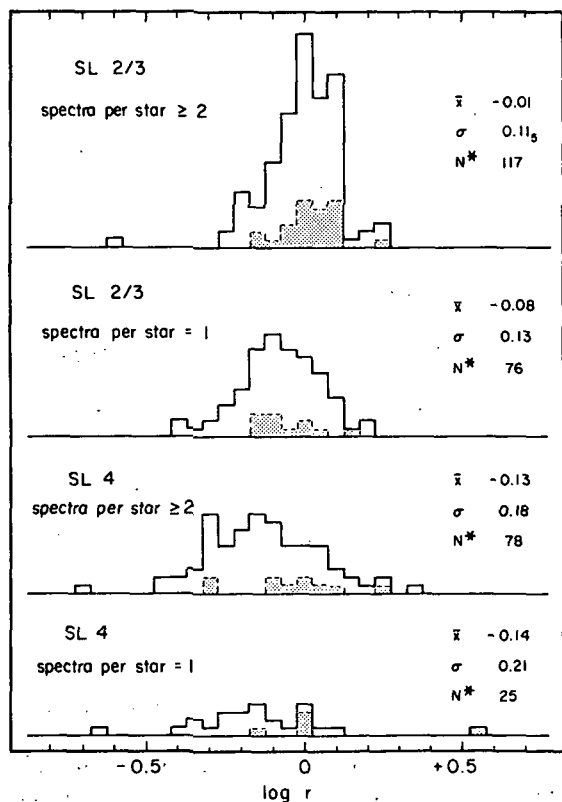


FIGURE 8.—Distribution of flux adjustment factor values that scale the observed (relative) fluxes to absolute fluxes. Shaded areas represent the calibration stars.



TABLE 6.—*Calibration stars and derived flux adjustment factors*

HD	SL2	SL3	SL4	Log <i>r</i>	HD	SL2	SL3	SL4	Log <i>r</i>
1976		1		-0.13	116658			1	+0.56
10144			2	+0.23	121790		1		-0.12
22928		1		+0.06	125238		1		-0.05
22951		1		-0.10	130807		2		+0.08
34503			2	-0.10	132200		2		0.00
35299		3		0.00	134687		2		-0.02
35468		3		+0.02	136504		2		-0.16
35575		2		+0.04	141637		3		-0.03
35588		2		+0.10	142165		2		-0.12
36512		3		-0.05	143018		3		+0.05
36822			2	0.00	148605		2		-0.07
37468		3		+0.02	149438		2		+0.24±
50013			1	0.00	149757		3		+0.04
55857			4	0.00	158408		3		0.00
56014			1	+0.02	158926		3		-0.15±
56139			3	+0.07	163472		1		-0.13
58612			2	-0.32	166182		1		-0.12
59026			3	-0.12	172167		3		+0.12
65315			5	-0.30	174959		1		-0.02
70930			4	-0.04	188892		1		-0.16
75821			1	-0.14	191610	1	2		+0.07
76728	2			+0.11	201819	2			+0.05
77002	2			+0.10	202904	2			+0.12
87901			5	+0.11	214680		1	1	-0.02
97583	1			+0.16					

mag with respect to the straight line and dispersion of 0.45 mag are again consistent with the previous discussion, which showed a systematic calibration error of -0.33 mag and larger dispersion ( $\sim 0.47$  mag) for SL4. Thus, in spite of the overexposure problems and the limited sample of calibration stars used, the fluxes derived at longer wavelengths are comparable in accuracy to those at wavelengths covered by the TD-1 spectrometer (1360-2540 Å).

### Literature Reference Index

Table 7 gives as many as 21 reference codes for each star and is intended to be an index to some of the literature. It cites articles used in compiling table 3 as well as articles giving additional information not used directly. The first several columns are repeated

from table 3. The detailed bibliography corresponding to the three-character codes is contained in the Telescope catalog (ref. AAA) and in table 8. The cut-off date for the widespread but not exhaustive literature search was around March 1978.

Because of space limitations, the absence of a particular code does not necessarily imply that the star is not referenced in that publication. For example, code U29 was often deleted when code U01 was present. Code 884, the Yale "Catalogue of Bright Stars," was frequently deleted since it would be clear from the information that the star is listed in it. The presence of code AAB implies that the star is included also in AAA. The three dots appearing before either of these codes indicates deleted codes which may be found in the Telescope catalog. Table 9 gives a cross reference from author name to reference code for the references in table 8.

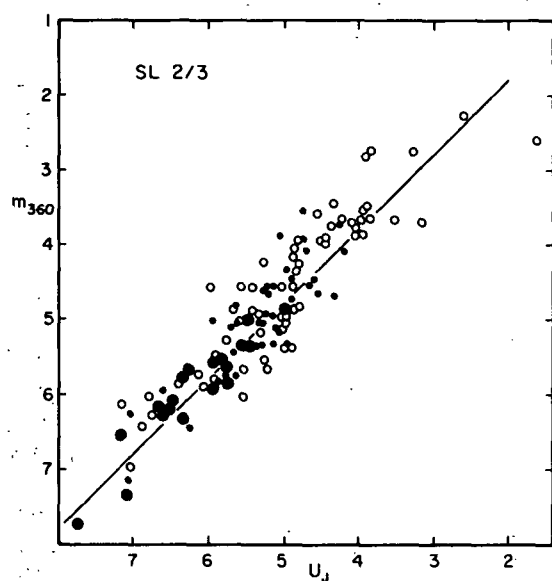


FIGURE 9.—S-019 magnitude centered at 360 nm (covering 3070-4100 Å) for SL2 or SL3 observations vs Johnson U magnitude. The expected straight-line relationship (equation 3) is shown. Key:  $\circ$ , weight 0.3-0.7;  $\bullet$ , weight 0.8-1.2; and  $\bullet$ , weight  $> 1.2$ .

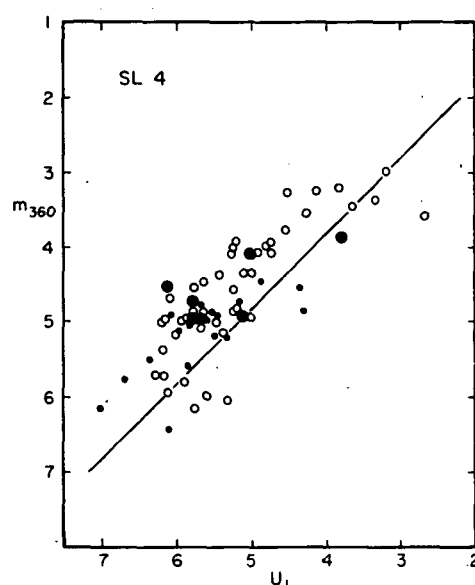


FIGURE 10.—S-019 magnitude centered at 360 nm for SL4 observations vs Johnson U magnitude. Key: same as figure 9.

TABLE 7.—Reference index for stars in catalog

HD	NAME/REMARK	COMP.	DM	GROUP	REFERENCES
358	ALF AND	A	B+28	4	897 367 753 785 881 948 999 A19 J01 C26 F01 F02 L01 P01 P02 P03 U05 U07 U29 U38 U47
432	BET CAS	A	B+58	3	897 009 010 267 377 392 534 765 766 785 884 901 921 Z01 A19 J01 C22 F01 P02 U29 U30
593		A	B+58	11	897 002 012 013 419 201 A19 J01 U30
1337	AO CAS, HR 65	AB	B+50	46	897 002 012 013 236 339 366 377 591 816 883 884 969 442 Z01 J01 C02 C21 C23 R02 U30
1976	HR 91	AB	B+51	62	897 002 013 360 396 419 512 765 766 884 901 201 A19 J01 C21 U30
2054	HR 96	AB	B+52	61	897 884 901 Z01 A19 C26 U30
2772	LAM CAS	AB	B+53	82	897 397 781 884 901 921 Z01 A19 J01 C25 U30
2905	KAP CAS	AB	B+62	102	897 009 012 076 088 342 766 883 921 962 A19 884 969 A43 ... AAA C04 C21 E04 U09 U38
3240	HR 144	AB	B+53	102	897 002 013 785 884 901 Z01 A19 J01 C21
3360	ZET CAS	AB	B+53	105	897 002 360 367 396 419 474 511 765 766 785 883 892 A19 J01 C22 U01 U09 U29 U30 U38
4142	HR 189		B+47	181	897 002 013 567 785 882 884 901 Z01 A19 J01 A59 AAA C21 U30 009
4180	OMI CAS	A	B+47	183	897 002 013 260 342 360 367 396 474 511 765 766 785 882 883 921 A19 J01 009 C21 E01
5394	GAM CAS	AB	B+59	144	897 884 932 Z01 A19 J01 C21 E01 E03 R01 U01 U28 U29 U32 U38 U56 Y05
5408	HR 266	AB	B+59	146	897 397 704 829 884 901 Z01 A19 C26
10144	ALF ERI		P+57	334	897 508 783 851 881 927 932 A19 J01 A27 E02 F01 F04 R01 U01 U02 U14 U29 U30 U56 V06
10516	PHI PER		B+49	444	897 342 488 895 963 969 A19 J01 ... AAA E01 E03 P01 P03 R01 U01 U09 U29 U30 U38 Y05
16349			B+61	448	897 Z01 C18
18925	GAM PER	AP	B+52	654	99 898 377 392 415 884 901 921 Z01 A19 J01 A42 C09 U30
19268	HR 930		B+51	681	897 002 013 419 884 901 937 Z01 J01 C21 C27 U30
19356	BET PER	A	B+40	673	897 783 969 A19 J01 A43 A49 ... AAA C25 E01 P01 P02 P03 U01 U06 U07 U25 U30 U38 U53
20191			B+50	731	ME20 897 Z01 A19 C18
20283	HR 979	AB	B+39	743	897 884 901 Z01 C18 C26
20677	32 PER		B+42	750	897 377 392 781 785 884 901 921 Z01 A19 J01 C26
20809	HR 1011		B+48	899	ME20 897 002 013 020 170 259 369 419 785 884 901 201 A19 C21 U30
20902	ALF PER	A	B+49	917	ME20 897 009 060 170 367 369 377 392 765 766 785 802 884 895 901 921 Z01 A19 C21 U30
21364	XI TAU		B+09	439	897 008 397 508 781 783 785 838 884 901 921 932 Z01 A19 J01 C25 F01 F04 C22 F01 U30
21428	34 PER	AB	B+49	945	ME20 897 002 013 020 170 259 419 785 884 901 921 Z01 A19 C21 U30
21551	HR 1051		B+47	844	ME20 897 002 020 170 259 369 785 884 901 Z01 A19 C26
21686	4 TAU		B+10	452	ME20 897 781 782 884 901 Z01 A19 J01 C26
21699	HR 1063		B+47	847	ME20 897 020 170 259 369 397 785 884 901 Z01 A19 C25 U30
21856	HR 1074		B+34	674	897 001 002 012 013 369 474 756 816 882 883 884 901 Z01 A19 J01 C21 G20 U09 U30
21933	6 TAU		B+08	528	897 397 835 884 901 Z01 A19 J01 C25
22192	PSI PER		B+47	857	ME20 897 036 170 260 342 369 419 474 785 883 884 921 963 A19 ... AAA C21 E01 E03 U30 U38
22780	HR 1113		B+37	811	897 002 013 260 341 884 901 Z01 A19 J01 C21
22928	DEL PER	A	B+47	876	897 882 921 A19 J01 009 969 ... AAA C21 F01 F04 L01 U02 U09 U14 U15 U20 U29 U30 U38
22951	40 PER		B+33	698	897 002 012 367 369 474 476 ... 785 816 883 A19 J01 009 C21 G20 U09 U30 U33 V03
23193	HR 1133		B+36	742	897 002 013 026 392 753 782 884 901 948 Z01 A19 C18 C26
23302	17 TAU		B+23	507	ME22 897 013 020 260 290 342 474 783 785 882 883 884 921 Z01 A19 A59 009 ... AAA C21 Y03
23630	ETA TAU	A	B+23	541	ME22 897 013 020 260 290 342 367 766 783 882 883 884 921 A19 901 ... AAA C22 U20 U30 Y03
23753	HR 1172		B+22	563	ME22 897 010 020 290 392 397 782 884 901 921 Z01 A19 AAA C18 C25 U30
23848	42 PER		B+32	667	897 392 781 782 785 884 901 168 Z01 A19 C26
23925	HR 1188	AB	B+25	624	897 781 884 901 975 Z01 A19 AAA C26
23998	ZET PER	A	B+46	666	897 002 010 012 022 036 367 488 511 689 783 884 901 921 Z01 A19 C26 F01 G20 R01 U01 U02 U09 U20 U30 U33 Y05
24504	HR 1207		B+47	912	897 002 013 419 884 901 932 Z01 A19 J01 C21 U30
24534	X PER, HR 1209	A	B+30	591	897 001 002 012 013 260 342 369 771 785 883 884 969 A19 J01 C21 C23 G20 P03 U30 V16
24640	HR 1215		B+34	768	897 001 002 013 369 756 785 882 883 168 969 A19 J01 A59 ... AAA C18 C21 G20 U09 U30
24912	XI PER		B+35	775	897 001 510 567 816 921 A19 969 ... AAA C01 C23 E04 R02 U01 U09 U20 U29 U33 U38 U50
25940	48 PER		B+47	939	897 002 013 170 260 342 360 396 419 474 504 785 883 932 A19 J01 C21 F01 F04 U30 V03
27045	OMG TAU		B+20	724	897 291 392 753 781 785 884 901 921 Z01 A19 J01 C26
27295	53 TAU		B+20	733	897 397 781 782 785 811 884 901 948 Z01 A19 AAA C25 F01 U30
27309	56 TAU		B+21	623	897 392 753 781 782 884 901 Z01 A19 C26 F01 U30
27396	53 PER		B+46	872	897 002 013 419 884 901 921 Z01 A19 J01 488 921 969 A43 A59 AAA C21 E01 U30 V03
27934	KAP TAU	A	B+21	642	ME25 897 379 392 781 785 884 901 921 Z01 A19 C26 F01
27946	67 TAU	B	B+21	643	ME25 897 379 392 781 884 901 Z01 A19 C09
28024	UPS TAU	A	B+22	696	ME25 897 037 392 781 785 884 901 921 Z01 A19 C26
28159	7ET TAU	A	B+15	632	ME25 897 002 012 142 367 379 392 415 784 785 884 921 Z01 A19 AAA C22 F01 U30
28546	81 TAU		B+35	639	ME25 897 379 392 753 781 785 884 901 Z01 A19 AAA C24
28556	83 TAU	A	B+13	690	ME25 897 379 392 415 781 884 901 Z01 A19 AAA C24
28879			B+16	621	897 Z01 AAB C18
28910	RHO TAU		B+14	720	ME25 897 379 392 781 884 901 921 Z01 A19 AAB C26
29479	SIG-1 TAU	B	B+15	665	897 291 392 753 781 782 884 901 Z01 A19 AAA C26
29488	SIG-2 TAU	A	B+15	666	897 379 392 781 884 901 921 Z01 A19 AAA C26
30112	61 PER	A	B+15	681	897 379 392 781 884 901 921 Z01 A19 C26 F01
32068	ZET AUR		B+40	1142	99 898 037 058 244 452 742 785 901 921 Z01 A19 A42 F01
32249	PSI ERI		B+07	948	897 158 397 488 783 884 901 921 932 Z01 A19 J01 C25 U30
32630	ETA AUR		B+41	1058	897 009 396 488 882 892 895 932 A19 901 969 ... AAA C22 F01 F04 U01 U09 U29 U30 U38
32964	66 ERI	A	B+04	1044	897 397 756 781 839 884 901 921 Z01 A19 J01 807 C26 U30
33111	BET ERI	A	B+05	1162	897 007 009 010 158 392 765 766 783 793 884 901 921 Z01 A19 J01 F01 F04 U30 Y03
33328	LAM ERI		B+08	1040	897 008 013 158 212 765 766 783 921 Z01 A19 J01 ... AAA C21 F01 F04 U30 Y03
33904	MU LEP		B+16	1072	897 158 262 753 782 783 881 884 889 901 921 948 Z01 A19 J01 C26 F01 F02 F03 U04 U05 U30
33948	HR 1704		B+08	1059	897 839 884 901 Z01 A19 J01 A26 A54 AAA C26 F01
34029	ALF AUR	AP	B+45	1077	897 225 338 377 392 785 802 884 901 921 Z01 A19 J01 969 AAA A42 P02 P03 U29 U30 X02
34085	BET ORI	A	B+08	1063	897 009 012 341 783 927 ... AAA C22 E02 E04 F01 J01 U01 U02 U07 U11 U13 U20 U29 U30
34503	TAU ORI	A	B+07	1028	897 013 765 766 783 883 921 Z01 A19 J01 A26 A43 ... AAA C01 C23 E04 R02 U01 U09 U20 U29 U33 U38 U50
34816	LAM LEP		B+13	1127	897 002 008 012 013 089 158 783 884 901 921 Z01 A19 J01 C21 F01 F04 U01 U29 U30
35007	HR 1764	A	B+00	929	897 002 013 020 259 835 884 901 A19 J01 C21 G19 S06 Y03
35039	22 ORI		B+00	930	897 002 008 013 020 036 089 158 212 259 783 884 921 Z01 A19 AAA C21 G19 G21 S06 Y03
35148	W/ 35149	B	B+03	871	Z01 A19 808
35149	23 ORI	A	B+03	872	897 012 020 036 340 474 629 884 Z01 A19 J01 A26 A43 A47 ... AAA C21 G19 G21 S06 U09
35299	HR 1781		B+00	936	897 002 009 010 013 020 036 158 259 765 766 884 Z01 A19 J01 C21 G19 G21 S06 U30 Y03
35337	8 LEP		B+14	1119	897 002 013 089 158 884 901 Z01 A19 J01 C21 U30
35439	25 ORI	C	B+01	1005	897 012 342 771 785 884 921 Z01 A19 J01 969 ... AAA C21 F01 F04 G19 S06 U01 U29 U30
35468	GAM ORI	A	B+06	919	897 002 010 012 022 036 367 488 511 689 783 884 901 921 Z01 A19 C22 F01 F03 U01 U09 U30 U38
35575			B+01	889	897 002 013 020 Z01 A19 A42 G19 S06 U30 Y03
35588	HR 1803		B+00	1056	897 002 013 020 259 835 884 901 Z01 A19 J01 969 A26 A59 AAA C21 G19 S06 U30 Y03
35708	114 TAU	A	B+21	847	897 002 013 360 396 419 816 884 901 921 932 Z01 A19 J01 A43 A59 AAA C21 F01 F04
35715	PSI ORI	AB	B+02	962	897 377 488 783 884 921 Z01 A19 J01 969 A26 A43 A47 ... AAA C21 F01 G19 G21 S06 Y03
35912	HR 1820		B+01	1021	897 002 013 020 036 259 474 840 884 Z01 A19 J01 A26 A59 AAA C21 G19 R02 S06 U30 Y03
36267	32 ORI	AB	B+05	939	897 360 396 783 884 921 932 Z01 A19 J01 A26 A43 A47 ... AAA C21 F01 F04 G19 S06 U30
36285	HR 1840		B+07	1099	897 002 013 020 036 259 835 884 901 Z01 A19 J01 A26 A59 AAA C21 G19 G21 S06 U30 Y03
36351	33 ORI	AB	B+03	948	897 002 013 020 036 835 884 901 Z01 A19 J01 A26 A59 AAA C21 G19 S06 U30
36430	HR 1848		B+06	1207	897 002 013 020 036 259 840 884 901 Z01 A19 J01 A26 A59 AAA C21 G19 S06 Y03
36486	DEL ORI	A	B+00	983	897 012 ... AAA 009 811 C01 C06 C21 C23 F01 G19 G21 J01 R02 U01 U02 U20 U29 U30 U50
36512	UPS ORI		B+07	1106	897 009 012 783 881 Z01 A19 J01 A43 ... AAA C22 F01 F04 G19 G21 S06 U01 U29 U30 Y03
36591	HR 1861	AB	B+01	935	897 002 009 010 012 013 020 089 259 884 921 Z01 A19 969 A26 AAB C21 G19 S06 U09 U39 Y03
36695	VV ORI, HR 1868		B+01	943	897 002 012 013 020 036 259 377 884 921 Z01 A19 ... AAA C21 G19 G21 S06 U09 U39 Y03

TABLE 7.—Reference index for stars in catalog—Continued

HD	NAME/REMARK	COMP.	DM	GROUP	REFERENCES
36779	HR 1873	A	B-01 949	1980	897 002 013 020 259 835 884 901 Z01 A19 A26 A54 A59 AAA C21 F01 G19 S06 U30 V03 Y03
36822	PHI-1 ORI	A	B-09 877		897 012 783 840 883 884 821 A07 A19 J01 A47 ... AAA C21 F01 F04 G18 U01 U09 U26 U29
36827		A	B-02 1296		897 A07 Z01 A19 A26 AAA C18 S06
36861	LAM(1) ORI	A	B+09 879		897 012 022 350 474 699 J01 ... AAA C01 C23 F01 G18 R02 U01 U02 U09 U10 U20 U30 U50
36862	LAM(2) ORI, W/ (1) B	B	B+05 879		897 Z01 G18 R02 U02
36895		B	B+09 881		897 836 A07 Z11 Z01 A19 A54 A63 AAA F01 G18
36959	HR 1886, W/ 36960	B	B-06 1233		897 002 012 020 -036 259 629 699 783 884 921 Z01 A19 C21 G19 G21 S06 U01 U30 V03 Y03
36960	HR 1887	A	B-06 1234		897 002 012 013 -020 036 259 629 699 884 921 Z01 A19 AAA C21 G19 G21 S06 U30 V03 Y03
37041	THT-2 ORI	A	B-05 1319		897 002 012 340 350 377 699 764 883 895 A19 C21 C23 F04 G19 G21 P03 R02 U09 U16 Y03
37042	W/ 37041	B	B-05 1320		897 036 629 J01 A19 A42 G21 S06 Y03
37043	10T ORI	A	B-06 1241		897 009 012 A43 ... AAA C01 C22 C23 F01 G19 G21 R02 S06 U01 U02 U09 U20 U29 U50 Y03
37128	EPS ORI	A	B-01 969		009 341 A19 J01 975 A43 ... AAA C06 C22 E04 F01 G19 G21 S06 U01 U02 U20 U29 U30 U48
37150	HR 1906	A	B-05 1334		897 002 013 756 835 884 901 314 Z01 A19 969 A26 A59 AAA C21 S06 Y03
37202	ZET TAU	B	B+21 908		897 342 963 A19 J01 969 ... AAA C21 E01 E03 F01 P01 P03 U01 U14 U28 U30 U36 U37 U38
37209	HR 1911	A	B-06 1255		897 002 013 036 259 839 884 901 Z01 A19 969 A26 A59 AAA C21 G19 G21 S06 U30 Y03
37269	26 AUR	AB	B+30 963		897 782 884 901 Z01 A19 969 A48 AAA A42
37303	HR 1918	B	B-06 1262		897 002 012 013 036 158 756 835 884 901 Z01 A19 969 A26 A59 AAA C21 G19 U30 V03 Y03
37468	SIG ORI	AB	B-02 1326		897 012 783 Z01 J01 009 A47 ... AAA C22 C23 F04 G19 G21 R02 S06 U01 U09 U26 U29 U30
37479	HR 1932, W/ 37468	E	B-02 1327		897 884 901 Z01 A19 J01 C21 C27 G19 V05
37481	HR 1933	B	B-06 1275		897 002 013 036 259 756 839 884 901 Z01 A19 J01 A59 AAA C21 G19 G21 S06 U30 Y03
37490	OMG ORI	B	B+04 1002		897 012 036 260 342 504 783 785 A26 A43 A19 J01 ... AAA C21 E01 E02 F01 G19 S06 U01
37507	49 ORI	B	B-07 1142		897 007 158 781 884 901 921 Z01 A19 J01 AAA C26
37742	ZET(1) ORI	A	B-02 1338		897 341 766 932 ... AAA J01 009 C01 C06 C21 C23 F01 G21 R02 U01 U02 U20 U30 U40 U50
37743	ZET(2) ORI, W/ (1) B	B	B-02 1338		884 Z01 A48 U02
37744	HR 1950	B	B-02 1337		897 002 013 036 259 835 884 901 Z01 A19 J01 A59 AAA C21 G19 G21 S06
37756	HR 1952	B	B-02 1337		897 002 013 036 259 835 884 901 Z01 A19 J01 969 A59 AAA C21 G19 G21 S06
39985	HR 2075	B	B+09 1016		897 397 839 884 901 Z01 A19 J01 C26
42087	3 GEM	AB	B+23 1226		897 001 002 012 013 260 341 419 474 504 785 816 962 159 A19 J01 009 C21 E04 U09 U30
42216	(4 GEM)	AB	B+23 1232		897 Z01 Z02
42933	DEL PIC	P-54	980		897 488 884 901 Z01 A19 A27 U01 U30 U41
45057	ALF CAR	P-53	1070		897 158 Z01 A19 A42 AAA U30
45348		P-52	914		897 008 022 508 530 781 783 851 858 901 927 932 Z01 A19 J01 AAA F01 F04 U29 U30
45789		B+07	1314		897 419 836 A07 Z01 A19 A63 AAB C27
45995	HR 2370	A	B+11 1204	2244	897 001 002 012 013 015 260 342 419 884 901 211 Z01 A19 J01 B08 C21 U30
46300	13 MON	B	B+07 1337		897 008 012 765 766 781 783 840 844 901 921 962 A19 J01 009 A26 ... AAB E04 U30 Y03
46885	HR 2413	B	B+04 1335		897 397 840 884 901 Z01 A19 J01 C26
46966		B	B+06 1303		897 001 012 013 015 350 A07 211 Z01 A19 J01 A26 A58 ... AAA C01 C23 F04 R02 U09 U30
47129	HR 2422	B	B+06 1309		897 012 595 883 211 A19 J01 A26 ... AAA B12 C01 C21 C23 F04 P01 P03 R02 U09 U10 U30
47417		B	B+07 1386		897 001 002 012 013 015 419 A07 Z01 A19 A26 AAA A42 U30
47839	15 MON, S MON	A	B+10 1220	2264	897 002 012 013 015 785 883 927 932 A19 C01 C23 F04 R02 U01 U09 U10 U20 U30 U38 U50
48099	HR 2467	B	B+06 1351		897 001 002 010 012 013 015 350 419 883 921 A19 J01 C01 C21 C23 R02 U09 U10 U30
48917	10 CMA	A	C-30 3484		897 342 884 901 Z01 A27 A73 AAB U30 V17
49961		A	C-32 3403		897 Z01 C14
50013	KAP CMA	C-32	3404		897 008 158 342 488 783 884 901 921 Z01 A19 J01 A27 F04 U01 U30 Y03
50123	HR 2545	C-31	3717		897 342 884 901 Z01 AAA B09 C14 U30
51111	HR 2598	A	C-31 3719		897 884 901 Z01 AAA B09 C14 U30
51240	HR 2621	A	C-30 3757		897 841 884 901 Z01 A19 AAB C14 U30
52670	HR 2640	C-25	3911		897 419 842 884 901 Z01 J01 A19 A27 AAA U30
53138	OMI-2 CMA	C-23	4797		897 009 012 783 884 962 A27 A43 ... AAA C04 C22 E04 F01 F04 U01 U02 U16 U20 U30 Y03
53344		C-24	4785		897 Z01 J01 AAB A48 C29 U30
54605	DEL CMA	C-26	3916		897 007 158 415 783 785 793 884 901 921 Z01 009 F01 Y03
54893	HR 2702	C-39	3105		897 158 783 884 901 921 Z01 A19 J01 A27 AAA F01 U30 V09
54912	HR 2704	A	C-25 4120		897 419 884 901 Z01 A27 A68 AAB U30 V09
55222	26 CMA	C-25	4191		897 419 884 901 Z01 A19 A27 AAB U30
55857	HR 2734	C-27	3789		897 158 884 901 Z01 A27 AAA U30 V06
55879	HR 2739	B-10	1933	2353	897 002 012 013 015 350 419 883 884 901 Z01 A19 A66 AAB C01 J03 J06 U30 Y03
55958	HR 2741	C-30	4143		897 158 901 419 Z01 A19 A27 J04 U30 V09
55985	HR 2743	C-30	4146		897 419 884 901 Z01 A27 A68 AAB U30 V09
56014	27 CMA	AB	C-23 4557		897 008 289 884 901 921 Z01 A19 969 A27 A43 AAB F01 F04 U30 V17 Y03
56094		C-23	5137		897 Z01 AAA C18 C20 J04 U30
56139	OMG CMA	C-26	4073		897 002 158 342 419 488 783 884 901 921 Z01 J01 969 A27 A43 A48 AAB F01 F04 U30 V17
56342	HR 2756	C-30	4184		897 419 488 841 884 901 Z01 A19 J01 A27 A43 AAB U30
56455	HR 2761	C-46	3000		897 753 884 901 Z01 A19 J01 A42 AAB Y03 U30
56554		C-30	4205		897 Z01 J01 A48
56779	W/ 2770	C-36	3485		897 158 783 884 901 Z01 A19 J01 A27 AAA U30 V09
56876	HR 2774	C-26	4140		897 884 901 Z01 J01 A27 AAB U30 V09
57060	29 CMA, UW CMA	C-24	5173		012 884 901 969 211 J01 A27 A43 A58 ... AAA C02 C23 F01 F04 P03 U01 U16 U20 U30 U43
57061	TAU CMA	C-24	5176	2362	012 783 841 211 972 969 ... AAA C01 C06 C22 C23 E04 J06 R02 U14 U16 U20 U30 U50 Y03
57150	HR 2787	A	C-36 3512		897 158 342 419 783 884 901 921 Z01 A19 J01 A27 AAA U30 V17
57193		C-25	4354		897 Z01 J01 AAA C20 J04
57219	HR 2790	B	C-36 3519		897 158 419 783 884 901 Z01 A19 J01 A27 AAA U30 V05
57593	HR 2800	A	C-26 4223		897 508 884 901 Z01 A27 A72 AAB U30 V09
58011		C-25	4439		897 342 Z01 A19 C20 J04 U30
58260		C-36	3578		897 158 419 Z01 A19 AAB C20 J04 U30
58286	HR 2823	C-31	4454		897 158 419 884 901 Z01 A19 A27 AAB
58325	HR 2824	C-29	4322		897 158 419 884 901 Z01 A19 A27 AAB U30 V09
58350	ETA CMA	A	C-29 4328		897 012 783 921 962 A19 A27 A43 A46 ... AAA C22 E04 F01 U02 U16 U20 U29 U30 U42 Y03
58420	HR 2829	A	C-35 3569		897 884 901 Z01 A19 AAB C14 U30
58612	HR 2841	C-24	4557		897 158 397 884 901 Z01 A48 AAA C29 U30
58978	HR 2855	B-22	1874		897 002 012 013 342 350 419 884 901 963 Z01 A27 A38 A68 AAA U30 V17
59026	HR 2856	C-33	3813		897 419 884 901 Z01 A19 A27 AAB U30 V09
59136	HR 2860	B-22	1878		897 397 884 901 Z01 A19 J01 A38 A68 AAB C14 U30
59499	HR 2870	A	C-31 4590		897 419 884 A07 Z01 A27
59500	HR 2871, W/ 59499	B	C-31 4590		897 419 884 A07 Z01 A27
59527		C-34	3634		897 Z01 AAB C14
59550	HR 2873	C-31	4593		897 158 419 884 901 Z01 A19 J01 A27 J04 U30
59864		C-33	3879		897 002 013 Z01 J01 A48 AAA C20 J04
60098	HR 2885	C-35	3650		897 158 419 884 901 Z01 A19 J01 A27 AAB
60168	HR 2889	A	C-35 3652		897 884 901 Z01 A19 AAB B09 C14
60312	HR 2895	AB	C-35 3659		897 884 901 Z01 A19 AAB C14
60344		C-23	5673		897 Z01 C18 V05
60606	HR 2911	C-36	3715		897 158 342 419 884 901 Z01 A19 J01 968 A27 AAB V17 Y03
61071		AB	C-25 4775		897 Z01 J01 C18 C20 J04
61330	HR 2937	ABC	C-34 3755		897 008 158 185 508 781 884 901 921 Z01 A19 J01 AAA U30

TABLE 7.—Reference index for stars in catalog—Continued

HD	NAME/REMARK	COMP.	DM	GROUP	REFERENCES
61429	HR 2944	AB	C-25 4828		897 158 397 781 884 901 921 201 J01 C14 U30
62315			C-29 4805		897 201 J01 A48 C29
62623	W/ 62315		C-29 4806		201
62747	3 PUP		C-28 4774		897 026 158 341 508 781 783 884 901 921 201 A19 A27 A38 A67 AAA J01 Y03
63004	HR 3004		C-24 5885	SCCE	897 158 419 508 884 901 353 201 J01 A27 U30 V09
63025	HR 3025		C-39 3587		897 884 901 201 A19 A27 AAB U30
63425		A	C-41 3384		897 158 419 201 A19 AAA C18 C20 J04 U30
63462	OMI PUP	A	C-25 5081		897 002 012 013 158 342 488 508 793 884 901 921 932 201 J01 A27 U30
63465	HR 3035	A	C-38 3650	2451	897 158 419 488 884 901 201 A19 A27 A43 AAB J06 U30
63868			C-40 3512		897 158 419 201 A19 AAB C20 J04 U30
64365	HR 3078		C-42 3610		897 419 841 884 901 201 A19 J01 A27 AAA V09
64440	HR 3080, A. PUP		C-40 3579		897 008 158 783 884 901 921 201 A19 J01 AAA A42 U04
65315	HR 3107		C-40 3655		897 158 419 884 901 201 A19 J01 A27 AAB U30
66624	HR 3162	A	C-40 3776		897 884 901 201 A73 AAA U28 U30
66811	ZET PUP		C-39 3939		012 783 A27 ... AAA C01 C23 F01 R01 R02 U01 U09 U10 U18 U19 U20 U30 U44 U50 V11 Y03
68092			C-46 3833		897 201 C20 J04
68161	HR 3203		C-48 3516		897 884 901 201 U30
68243	HR 3206, W/ 68273	B	C-46 3846		897 419 793 884 901 921 201 A19 J01 A27 V09 Y03
68273	GAM VEL	A	C-46 3847		897 783 822 921 A19 J01 969 A18 A28 A43 A46 ... AAA L02 U01 U03 U24 U29 U30 U45 Y03
68324	HR 3213		C-47 3653		897 419 884 901 201 A27 A73 AAB V09 U30
68657	HR 3227		C-48 3576		897 419 884 901 201 A19 J01 A27 AAB U30
68761			C-36 4322		897 002 012 013 340 201 J01 AAA C20 J04
68895	HR 3234	AB	C-45 3892		897 419 841 884 901 201 A19 J01 A27 A69 AAA U30
68980	HR 3237		C-35 4349		897 158 342 419 884 901 921 826 201 A19 J01 969 A27 AAA C07 F01 F04 U30 V17
69106			C-36 4359		002 012 013 340 826 201 A19 AAA C20 J04 R02
69144	HR 3244	A	C-46 3929		897 419 842 884 901 201 A19 J01 A27 AAA J04 V09 U30
69168			C-46 3931		897 201 J01 AAA C20 J04
69302	HR 3250		C-45 3914		897 419 884 901 201 A19 A27 AAA J04 V09 U30
69344			C-46 3921		897 158 342 419 201 A19 A27 AAA C20 J04 U30
69973			C-47 3771		897 158 419 201 A19 A42 AAB
70309		A	C-47 3799		897 158 201 A19 A42 AAB U30
70556	HR 3283	A	C-36 4513		897 158 419 901 201 A19 J01 884 A27 AAA U30 V09
70930	HR 3294	AB	C-48 3734		897 012 158 419 783 884 901 921 201 A19 J01 A27 AAA V09 Y03 U01 U30
71935	HR 3350	P-52	1484		897 781 841 884 901 201 A19 J01
72108	HR 3358	AP	C-47 4004	21	897 158 419 884 901 201 J01 A27 AAB V09
72108		C	C-47 4004	22	897 201
72232	HR 3363		C-45 4183		897 884 901 201 A48 A73 AAA U30
72737	HR 3386	AB	P-52 1517	99	842 884 901 201 J01 A42
73105			P-52 1532		897 201 AAA
74071	HR 3440		P-53 1796		897 158 884 901 281 562 201 A15 A27 A32 AAA F01 J04 J06
74146	HR 3442	A	P-52 1579	SCCE	897 419 783 842 884 901 281 352 562 201 A19 A27 A32 AAA F01 J04 J06
74195	OMI VEL		P-52 1583		897 158 419 783 793 884 901 201 A19 969 A27 A32 AAA F01 F04 J06 V06 Y03
74319		A	C-44 4698		897 201 AAB C18
74371	HR 3456		C-44 4704		897 007 158 419 620 793 884 901 201 A19 A27 AAA J06 Y03
74956	DEL VEL	AB	P-54 1788		897 007 158 508 781 783 793 884 901 921 932 201 A19 J01 A43 AAA C15 U07 U08 Y03
75241			C-44 4818		897 158 201 A19 AAA Y03
75821	HR 3527	AB	C-46 4661	SCCE	897 012 158 419 488 783 884 901 921 352 353 201 A19 J01 A27 A43 AAA V09 U30 Y03
76004			C-43 4711		897 201 J01 A48 AAA C29 J05
76538	HR 3560		C-49 1774		897 158 419 884 901 201 A19 J01 A27 AAB
76566	HR 3562	A	C-44 4951		897 158 419 901 201 A19 J01 A27 AAA J04 U30
76728	HR 3571	A	P-60 1243		897 008 158 508 783 793 884 901 201 A19 J01 AAA U30 Y03
77002	HR 3582	A	P-58 1301	SCCE	897 008 419 508 783 884 901 353 201 A19 A27 A31 AAA U30 V09
77002	W/ 77002	B	P-58 1301		897 201 A48
77320	HR 3593		C-42 4875		897 158 752 884 901 201 A19 J01 A27 A31 AAA C20 J04 J05 U28 U30
77475	HR 3600		C-41 4720		897 158 884 901 201 A19 J01 A27 AAA J04 J05 U28 U30
78616	HR 3608	AB	C-48 4688		897 158 419 620 793 884 901 921 201 A19 J01 A27 J04 J05 U28 Y03
79186	HR 3654		C-44 5206		897 158 419 620 793 884 901 921 201 A19 J01 A27 J04 J05 U28 Y03
79351	A. CAR, HR 3659		P-58 1419	SCCE	897 315 478 488 508 841 884 353 201 A19 J01 A27 A31 A43 AAA F01 F04 U30 V09
79416	HR 3661	ABC	C-43 5041		897 158 487 884 901 201 A19 J01 AAA J05 U28 U30
79447	HR 3663		P-61 1201	SCCE	897 007 158 419 488 508 783 793 884 901 353 201 A19 J01 A27 A31 A43 AAA V05
79694	HR 3672		C-43 5068	SCCE	897 158 884 901 352 201 A19 J01 969 A27 AAA J05 U28 U30
79735	HR 3674	A	C-42 5086	SCCE	897 158 419 508 884 901 353 201 A19 J01 A27 AAA J05 U28 U30
80404	IOT CAR		P-58 1465		897 008 158 508 781 783 793 884 901 201 A19 J01 AAA U30 Y03
83944	HR 3856		P-60 1477		897 007 158 508 781 783 884 901 201 A19 J01 A31 AAA C07
83979	ZET CHA		P-80 365		897 158 884 901 201 A19 J01 A27 F01 F04 U30
84228	HR 3868		P-54 2594		897 158 884 901 201 A19 J01 A27 A39 AAA J05 U30
84809	HR 3883		P-56 2499		897 158 884 901 201 A19 J01 969 AAB C15
85871	HR 3920		P-54 2816		897 012 158 884 901 201 A19 J01 A27 AAB J05 V09
86440	PHI VEL	A	P-53 3075		897 008 462 474 488 508 783 932 201 A19 J01 A27 A31 A39 A43 AAA F01 F04 J05 Y03
87737	ETA LEO	AB	B+17 2171		897 002 008 012 013 438 781 783 785 884 901 921 962 201 A19 J01 009 U30 Y03
87901	ALF LEO		B+12 2149		897 009 022 187 689 699 785 892 932 A19 F01 F03 P02 R01 U01 U07 U15 U20 U25 U30 U38
90853	HR 4114		P-58 2227		897 007 008 158 508 783 884 901 201 A19 J01 969 A48 AAA Y03
91316	RHO LEO	AB	B+10 2166		897 002 350 509 783 785 816 882 883 892 A19 009 C06 C21 F01 U01 U02 U09 U14 U20 U50
91465	PP CAR, HR 4140		P-61 1704		897 342 419 488 508 783 932 201 A19 969 A27 A43 AAA E02 F01 F04 U01 U29 U30 Y03
92664	HR 4185		P-64 1403		897 158 753 884 901 508 520 201 A19 A27 AAA F01 J06 Y03
92740	HR 4188		P-59 2450		002 006 007 158 340 884 901 961 201 A19 J01 969 A24 A18 A27 AAA U03
93030	THY CAR		P-63 1599	2602	897 343 508 783 201 A19 972 A27 A33 AAA C04 F01 J06 U01 U02 U14 U16 U20 V05 Y03
93194	HR 4205		P-63 1623		897 158 419 508 783 884 508 520 201 A19 A27 A31 A33 A63 AAA F01 F04 J06 U30
93845	DEL-2 CHA		P-79 556		897 008 158 508 783 884 901 201 A19 J01 A27
97583	HR 4355	A	P-63 1860		897 884 901 201 A19 J01 A42 U30
100841	LAM CEN	A	P-62 2127		897 008 158 508 781 783 793 884 901 201 A19 J01 A53 AAA U30 Y03
101379	HR 4492	AB	P-64 1685	99	158 884 901 201 J01 C15
102249	LAM MUS	A	P-66 1640		897 008 158 508 781 783 884 901 201 A19 J01 AAA U30 Y03
102647	BET LEO		B+15 2383		897 009 010 377 392 765 766 781 783 785 884 921 201 A19 J01 F01 F04 P02 U25 Y03
103079	HR 4549	AB	P-64 1724		897 158 508 783 884 901 256 201 A19 J01 A27 A31 A50 A53 AAA U30
106983	ZET CRU	A	P-63 2235	SCCE	897 158 419 508 783 793 884 901 256 201 A19 J01 A27 A31 AAA
108248	ALF-1 CRU	A	P-62 2745		897 008 419 783 793 851 884 901 927 201 A19 A27 A43 A46 AAA B13 F04 U01 U29
108249	ALF-2 CRU, W/ALF-1	B	P-62 2745		897 008 419 783 793 851 884 901 927 201 A27
110335	HR 4823		P-59 4393	SCCE	897 342 884 901 201 A19 J01 969 A27 A31 AAA F01 F04 Y03
112078	LAM CRU		P-58 2584		897 419 508 783 793 884 901 256 201 A19 J01 A27 A31 AAA
113904	THY MUS	A	P-64 2183		897 006 012 419 884 901 961 201 A19 J01 A18 C02 R02 U03 U09 U26 Y01
114529	HR 4975	AB	P-59 4815		897 781 884 901 201 A19 J01 A73 AAA C15 C29 U30
114911	ETA MUS	A	P-67 2224		897 008 468 781 884 901 201 A19 J01 B07
115846			P-66 2171		897 201 J01 C15 C29
116658	ALF VIR	A	B-10 3672		897 009 377 766 882 892 A19 C21 E01 F01 L01 P01 R01 U01 U12 U14 U20 U25 U27 U55 V15

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117651	HR 5093	P-64	2465		898 201 A19 J01 C15
120640	HR 5206	C-46	8909		897 508 884 901 201 A19 J01 A27 A31 AAA V05 Y02
120991	HR 5223	C-42	9031		897 342 884 901 201 A19 A27 AAA V17
121483		C-45	8822		897 158 201 A19 A50 A51 AAA A42
121790	UPS-1 CEN	C-44	9010		897 438 488 508 783 884 901 921 256 201 A19 J01 A27 A31 A43 AAA U29 U30 U01
122451	BET CEN	P-59	5365		897 508 783 892 927 201 A19 A27 A43 ... AAA F01 F04 U01 U02 U12 U14 U16 U20 U29 V06
124367	HR 5316	P-56	6206		897 158 342 419 508 841 884 901 201 A19 J01 A27 C20 J04 U09
125238	IOT LUP	C-45	9084		897 158 488 508 783 884 901 921 201 A19 J01 969 A27 A31 A43 A49 AAA U29 U01
125288	HR 5358	P-55	5984		897 508 783 884 901 201 A19 J01 A27 U30
125721	HR 5375	C-47	9082		897 842 884 901 201 A19 J01 A27
125823	HR 5378, A. CEN	C-38	9329	SCCE	897 508 783 921 600 A19 969 A27 A31 A43 ... AAA J01 F01 F04 U01 U29 U30 U46 V05 V12
126341	TAU-1 LUP	C-44	9322		897 008 144 462 498 783 884 901 921 964 969 201 A19 J01 A27 A31 AAA F01 F04
126759		C-47	9162		897 201 A19 J01 C14 C28
126983	HR 5413	C-48	9098	SCCE	897 158 884 901 352 201 A19 J01 A27
127381	SIG LUP	C-49	8831		897 419 488 508 783 884 901 201 A19 J01 A27 U01
127971	HR 5439	C-40	8794		897 884 901 201 A48 C28
127972	ETA CEN	C-41	8917	99	897 884 892 901 921 933 201 A19 J01 A27 F01 F04 U01 U16 U29
128345	RHO LUP	C-48	9198		897 158 419 508 783 884 901 921 201 A19 J01 A27
128620	ALF CEN	P-60	5483		897 007 783 881 884 901 201 A42 U29 U30
128621	HR 5460, W/128620	P-60	5483		897 881 884 901 201 A42
128974	HR 5466	C-35	9702		897 749 842 884 901 201 A19 J01 A42
129056	ALF LUP	P-46	9501	SCCE	897 158 462 498 783 881 884 892 901 921 933 964 201 A19 J01 A42 F04 U01 U12 U29 U31
129092		C-62	4257		897 158 419 201 A19 A42
129116	HR 5471	C-37	9618	SCCE	897 158 508 783 884 892 901 921 933 256 600 201 A19 J01 A27 U01
129422	HR 5482	P-62	4275		897 158 505 781 884 901 201 A19 J01 A42
129929		C-36	9605		897 201 J01 A48 C29
130559	MU LIB	B-13	3986	99	897 026 262 753 781 782 884 901 948 201 A19 C26 U30
130701	AX CIR, HR 5527	P-63	3436		884 901 201
130807	OMI LUP	C-43	9391	SCCE	897 158 462 487 488 508 783 884 901 921 256 353 600 201 A19 J01 A27 A31 A43 AAA U30
130819	ALF-1 LIB	B-15	3965		897 010 152 508 783 884 901 921 256 353 600 201 A19 J01 A27 A31 A43 AAA U30
130841	2 SCO	C-45	9869		897 158 487 508 783 884 901 921 256 353 600 201 A19 J01 A27 A31 A43 AAA U30
131120	HR 5543	C-37	9760	SCCE	897 781 842 884 901 352 201 A19 J01 A27
131492	THI CIR	P-62	4337		897 419 508 884 901 201 J01 A27 U30 V17
132058	BET LUP	C-42	9853	SCCE	897 438 508 783 884 892 921 933 256 353 201 A19 J01 A27 A31 A43 AAA U01 U29 U30
132200	KAP CEN	C-41	9342	SCCE	897 438 462 498 508 783 881 921 256 353 201 A19 J01 969 A27 A31 AAA F01 F04 U01 U30
133738	CSV 7170	P-61	4838		897 158 419 201 A19 C20 J04
133955	LAM LUP	C-44	9889	SCCE	897 158 487 508 783 884 901 921 256 353 600 201 A19 J01 A27 A31 AAA C07 F01 F04 U01 U30
134657		P-60	5680		897 158 419 201 A19 A42
134687	HR 5651	C-44	9932	SCCE	897 158 498 508 783 353 201 A19 J01 884 A27 A31 A49 AAA U30
135160	HR 5661	P-60	5698	SCCE	897 158 342 419 834 884 901 353 201 A19 J01 A27 U30
135240	DEL CIR	P-60	5701		158 343 419 884 901 201 A19 J01 A27 C01 R02 U01
135591	HR 5680	P-60	5720		002 340 343 419 884 901 201 A19 J01 A27 C01 R02 U01
135734	MU LUP	C-47	9860		897 158 781 884 901 921 933 A19 J01 AAA C14
135917		P-59	5917		897 201 C20 J04
136415	GAM CIR	P-58	5908	99	158 419 884 901 201 J01 A27
136504	EPS LUP	C-44	10066		897 158 419 508 783 884 901 921 933 201 A19 J01 A27 A31 A49 AAA F01 F04 U01 U29 U30
138690	GAM LUP	C-40	9760		158 487 783 884 901 921 201 A19 J01 A27 ... AAA U01 U30
140008	PSI-2 LUP	C-34	10494	SCCE	897 158 884 901 921 256 201 A19 J01 A27 U30
140784	HR 5860	C-34	10524		897 158 508 884 901 201 A19 J01 A27
141637	1 SCO	C-25	11131	2SCO	897 002 102 256 438 508 600 783 884 901 921 201 J01 A27 A31 AAA U01 U09 U26 U29 U30
142114	2 SCO	C-24	12352	2SCO	897 158 508 783 884 901 921 102 256 201 A19 J01 A27 C01 C06 E04 J06 U09 U16 U20
142165	HR 5906	C-24	12354	2SCO	897 002 102 256 259 438 508 600 884 901 921 201 J01 A31 A27 A50 A68 AAA U30
142184	HR 5907	C-23	12549	2SCO	897 002 102 256 259 353 438 508 600 884 901 921 201 J01 A27 A31 A50 A68 AAA U30
142250	HR 5910	C-26	11096	2SCO	897 438 884 901 256 201 A27 A31 A50 AAA U30
142301	3 SCO	C-24	12365	2SCO	897 102 353 397 600 884 901 256 201 J01 A27 A31 A50 A68 AAB F01 U30 V05
142883	HR 5934	B-20	4364	2SCO	897 102 353 384 901 256 201 A19 J01 A27 A31 A50 A68 AAA B09 F01 U09
142983	48 LIB	B-13	4302		897 002 013 158 340 342 438 515 771 884 901 921 963 994 256 A19 J01 C21 E01 U30 V17
142990	HR 5942	C-24	12427	SCCE	897 158 419 488 508 783 884 901 921 933 256 201 A19 J01 A27 A31 A50 A68 AAB F01 U30 V05
143018	PI SCO	C-25	11228	2SCO	897 012 508 783 785 921 850 J01 969 A43 A27 ... AAA F01 F04 U01 U09 U20 U26 U29 U30
143118	ETA LUP	C-38	10797		897 158 488 508 783 884 892 901 921 933 256 201 A19 J01 A27 U01 U29 U30 Y03
143699	HR 5967	C-38	10832	SCCE	897 158 419 438 488 508 783 884 901 921 256 600 201 A19 J01 A27 U30 V05
144294	THI LUP	C-36	10642		897 008 158 508 783 884 901 921 933 256 201 A19 J01 A27 U30
144661	HR 5998	C-24	12552	2SCO	897 102 352 397 884 901 256 201 J01 A27 F01 U30 V05
145842	THI NOR	C-47	10611	SCCE	897 781 884 901 352 201 C14
147152	HR 6083	C-49	10591		897 508 884 901 201 J01 A27
147165	SIG SCO	C-25	11052	2SCO	897 009 012 036 102 203 410 416 621 921 975 A27 F01 U01 U02 U09 U12 U20 U30 U34 Y03
147894		C-47	10782		897 201 C20 J04
147971	EPS NOR	C-47	10765		897 158 419 488 508 783 884 901 921 201 A19 J01 A27 U30
148478	ALF SCO	C-26	11359		01 J01 256 377 B19 U29
148479	W/ 148478	C-26	11359		201 A45
148605	22 SCO	C-24	12695	2SCO	897 002 009 013 158 169 259 765 766 783 785 921 102 256 201 J01 C22 U01 U09 U29 U30
149038	MU NOR	C-43	10900	6169	897 419 462 488 620 783 793 884 901 201 A19 A27 C01 C06 E04 J06 U09 U16 U20
149404	HR 6164	C-42	11399	SCCE	897 419 752 884 901 353 201 J01 A27 A72 AAB C01 C04 C06 F01 R02 U30
149438	TAU SCO	C-27	11015	SCCE	897 002 765 783 850 851 881 883 892 927 A45 C22 F04 R01 U01 U02 U09 U14 U20 U22 U35
149499		P-57	8088		897 201 D28
149711	HR 6174	C-43	10959	SCCE	897 419 508 884 901 353 201 J01 A27 A31 AAA U30
149757	ZET OPH	B-10	4350		897 002 816 852 882 892 009 C21 C23 E02 F01 R02 U01 U09 U20 U25 U30 U34 U50 V13
150041		C-48	11056		897 158 419 471 201 A19 J01 J06 C20
150135	W/ 150136	C-48	11070	6193	897 A19 A27 C01 J06 R02
150136	HR 6187	C-48	11070		897 343 419 471 884 901 972 A19 C01 C20 J04 J06 R02 U09 U30
150168	HR 6188	C-49	10890		897 012 158 471 884 901 201 A19 J01 A27 U09
150898	HR 6219	P-58	6893		897 007 419 462 620 884 892 901 201 A19 J01 A27 U30
151515		C-41	10925	6231	897 600 201 A19 A28 A48 AAA C01 C20 J04 R02
151804	HR 6245	C-31	10957	6231	419 884 901 600 201 A19 A18 A27 A28 ... AAA C01 C23 R02 U09 U10 U16 U30 U50
151890	MU 1 SCO	C-37	11033	SCCE	897 008 012 419 508 884 901 921 969 256 600 201 A19 J01 A27 F01 U01 U29 U30
151932	HR 6249	C-41	10972	6231	002 006 340 343 419 881 884 901 961 600 201 A19 A18 A27 A28 A68 AAA U03
151985	MU-2 SCO	C-37	11037	SCCE	897 002 013 158 340 419 508 783 884 921 256 201 A19 J01 A27 F04 U01 U29 U30
152236	ZET-1 SCO	C-42	11633	1SCO	897 342 419 487 620 927 A19 969 A27 A28 A68 ... AAA C04 E02 E04 F01 F04 S04 U09 Y04
152408	HR 6272	C-40	10919	1SCO	002 343 419 567 600 884 901 340 201 A19 A27 ... AAA A28 C01 C23 R02 U09 U10 U16
152478	HR 6274	C-50	10905		897 158 419 884 901 201 A19 J01 A27 U30
153261	HR 6304	P-58	6964		897 158 342 884 901 201 A19 J01 A27
153716	HR 6320	P-57	8265	SCCE	897 419 508 884 901 201 J01 A27 U30
153919		C-37	11206	6281	343 211 201 J01 816 C02 J06 R02 U54 X01 X03
154090	HR 6334	C-33	11706		002 002 007 013 158 340 341 419 508 881 884 901 921 201 A19 J01 A27 C06 E04 F04
155806	HR 6397	C-33	11875	SCCE	002 342 419 488 817 884 901 353 201 A19 C02 C20 C23 J04 R02 U09

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155889		AB	C-33 11887		897 817 Z01 A19 J01 C02 C20 R02
156385			C-45 11392		006 961 Z01 A18 A48 AAB U03 U10
157042	IOT ARA	A	C-47 11484		897 158 342 419 884 901 Z01 A19 J01 969 A27 AAA U30
157056	THT OPH		C-24 12152	SCCE	897 002 013 045 089 203 259 263 349 419 508 783 883 892 256 964 A27 F01 U01 U12 U30
157792	44 OPH		C-24 13337		897 158 377 781 884 901 921 Z01 J01 C29
157832		AB	C-46 11530		897 158 342 Z01 A19 J01 A48 AAA C03
157864	HR 6490		C-25 12160		897 884 901 Z01
157978	HR 6497		B+07 3368	99	884 901 Z01 A42
158408	UPS SCO		C-37 11638	SCCE	897 008 158 419 783 884 901 921 353 A19 J01 A27 E04 F04 R01 U01 U02 U14 U20 U30 U35
158643	51 OPH		C-23 13412		897 158 781 884 901 921 Z01 J01 A19 A48
158704	HR 6520		C-23 13412		897 377 884 901 Z01 J01 C05 U30
158926	LAM SCO	A	C-37 11673		897 158 343 419 508 783 921 A19 J01 A27 C07 F01 F04 R01 U01 U12 U14 U20 U29 U30 U35
159532	THT SCO		C-42 12312		897 158 462 783 793 881 884 901 921 Z01 A19 J01 969 A42 AAA C29 F01 F04 Y03
162978	HR 6672		C-24 13615		897 001 002 013 211 336 340 419 490 884 901 Z01 J01 C01 C20 C23 J04 R02 U09 U10 U30
163472	HR 6684		B+00 3813		897 002 013 818 884 901 Z01 A19 J01 C21 U09 U12 U30
164402	HR 6716	A	B-22 4503	25GR	897 012 013 015 419 884 892 901 Z01 J01 A27 ... AAB C06 E04 U30 Y03
164447	HR 6720		B+19 3494		897 342 397 884 901 Z01 A19 C26
164577	68 OPH	AB	B+01 3560		897 158 392 781 884 901 921 Z01 A19 J01 C26 F01 F04 U30
164794	9 SGR		C-24 13814	6530	899 002 012 013 350 419 474 881 Z01 A19 A27 ... AAA C02 C23 F04 J04 J06 R02 U09 U16
164852	96 HER		B+20 3649		897 002 013 785 882 883 884 901 997 Z01 A19 J01 C21 F01 F04 U09 U30
165016			C-24 13853		897 002 013 419 764 Z01 AAB J01 C20 J04
165024	THT ARA		C-50 11720		897 158 783 793 881 884 901 933 Z01 J01 A27 F04 U30 Y03
165763			B-21 4864		002 006 007 881 936 961 Z01 A19 A18 A48 U03
166182	102 HER	A	B+20 3674		897 002 088 089 508 511 783 892 901 921 933 Z01 A19 J01 C21 U30
166937	MU SGR	A	B-21 4908		897 002 015 012 015 158 941 921 969 353 A19 J01 A27 E04 P03 R02 U09 U30 Y03
167263	16 SGR	A	B-20 5055		897 001 002 009 012 013 015 350 419 884 211 A19 J01 C02 C20 C23 J04 S04 U09 U30
167264	15 SGR		B-20 5054	SCCE	897 001 002 009 012 013 015 343 350 419 883 962 353 A19 J01 A27 C02 E04 S04 U09 U30
168905	HR 6875	A	C-44 12569		897 158 508 884 901 Z01 A19 J01 A27 U30
169022	EPS SGR	A	C-34 12784		897 008 158 781 783 831 851 881 884 892 901 921 927 Z01 A19 J01 C07 F01 F04 U07 U30
169467	ALF TEL		C-46 12379		897 008 158 508 783 884 892 901 921 Z01 A19 J01 A27 F01 U01 U30 Y03
170465	DEL-1 TEL		C-45 12550		897 158 008 526 783 884 901 Z01 A19 J01 A27 F01 F04 U30
171034	HR 6960		C-31 13138		897 508 884 901 Z01 J01 A27 A31 A68 AAA Y03
172167	ALF LYR	A	B+38 3238		897 009 010 783 785 895 921 A19 J01 969 ... AAA C22 F01 F03 L01 P02 U17 U20 U29 U30
173417	HR 7044		B+31 3348		897 392 884 901 J01 C24
173648	ZET-1 LYR	A	B+37 3222		897 009 010 291 392 629 753 781 884 901 921 948 Z01 A19 J01 969 AAB C26 U30
173649	ZET-2 LYR, W/ZET-1	D	B+37 3223		897 392 884 901 Z01 A19 J01 AAB C26 U30
173948	LAM PAV	A	P-62 5983		897 008 158 337 508 783 884 901 933 Z01 A19 J01 A27 F01 F04 U30
174179	HR 7081		B+31 3369		897 002 013 474 884 901 J01 A59 C21 C27 U30
174585	8 LYR	A	B+32 3227		897 002 013 474 884 901 Z01 A19 J01 969 A59 AAA C21 C27 U30
174588	BET LYR	A	B+38 3223		897 158 193 240 341 419 884 901 Z01 A19 J01 A59 AAA C21 U30
174959	HR 7115		B+36 3295		897 002 013 884 901 Z01 J01 A59 AAA C21 U30
175426	DEL-1 LYR	A	B+36 3307		897 002 013 618 744 884 901 Z01 J01 969 A48 A59 A65 AAA C27 U30
175876		A	B-20 5344		002 012 013 336 419 201 A19 J01 C02 C23 R02 U09
176318	HR 7174		B+38 3373		897 782 884 901 Z01 A19 AAA C25 U30
176437	GAM LYR	A	B+32 3286		897 009 010 169 765 766 781 782 783 884 901 921 Z01 A19 J01 969 AAA F01 F04 U30
177724	ZET AQL	A	B+13 3899		897 010 169 781 782 783 881 884 901 921 Z01 A19 J01 C26 F01 F04 L01 U29 U30
181454	BET-1 SGR	A	C-44 13277		897 008 158 780 781 783 884 901 Z01 A19 J01 B07 U30
181623	BET-2 SGR		C-45 13171		897 158 831 884 901 Z01 A19 J01
181869	ALF SGR		C-40 13245		897 008 158 508 781 783 884 901 Z01 A19 J01 U30
183007	HR 7392		C-43 13395		897 158 884 901 Z01 A19 J01 B07
184905	V1264 CYG		B+43 3290		897 025 026 262 753 948 Z01 A19 AAA A42 U05
185872	14 CYG		B+42 3413		897 397 781 884 901 Z01 A19 C25 F01 U30
186618		A	B+46 2765		897 002 013 Z01 A63 AAB C27
187459	HR 7551		B+33 3602		897 001 002 012 013 014 015 350 419 531 884 901 Z01 A19 J01 969 A59 AAA C21 U09 U30
187879	V380 CYG, HR 7567		B+40 3902		897 002 012 012 013 212 419 723 884 901 969 Z01 J01 A59 AAA C21 P03 U30
188209	HR 7589		B+46 2793		897 012 882 Z01 A19 J01 A58 A59 ... AAA C01 C04 C06 C21 C23 F04 R02 U09 U26 U30
188252	HR 7591		B+47 2939		897 001 002 005 013 212 419 884 901 Z01 969 AAB C21
188439	V819 CYG, HR 7600		B+47 2945		897 002 012 013 212 419 884 901 Z01 A19 J01 969 A59 AAB C21 U30
188892	22 CYG		B+38 3817		897 002 013 882 883 884 901 921 Z01 A19 J01 C21 U30
189687	25 CYG		B+36 3806		897 002 013 882 883 884 901 Z01 A19 J01 A59 AAA C21 F01 F04 U30 V03
191610	28 CYG		B+36 3907		897 342 419 504 785 816 884 921 Z01 A19 J01 A59 AAA C21 E01 F01 F04 U30 V01 V03
192103	V1042 CYG	A	B+35 4013		897 001 002 006 014 652 735 754 936 961 A07 Z01 A19 969 AAA A18 A42
192163			B+37 3821		897 014 652 654 A07 002 006 735 754 961 Z01 A19 J01 969 AAA A18 A42 U10
192577	31 CYG	A	B+46 2882	99	898 397 571 629 699 884 901 921 Z01 A19 J01 A42 B18 B20 P03 U51
192909	32 CYG	A	B+47 3059	99	898 312 609 884 901 921 Z01 J01 A42 B17 B18 B20 P03 U51
193182			B+39 4115		897 001 012 012 014 015 341 963 Z01 A19 A48 AAA A42
193237	P CYG, 34 CYG		C-37 3871		897 001 012 014 407 419 474 559 882 883 884 895 921 968 969 A19 A59 ... AAA C21 Y05
193369	36 CYG		B+36 3998		897 782 798 884 901 Z01 A19 J01 AAA C26
193536	HR 7777		B+45 3139		897 002 013 419 884 901 Z01 A19 J01 969 A59 AAA C21 U30
194335	HR 7807		B+37 3916		897 002 013 260 342 377 419 798 884 901 Z01 A19 J01 A59 AAB C21 F01 U30
197345	ALF CYG	A	B+44 3541		897 009 010 012 045 342 392 783 A19 J01 969 ... AAA C22 E04 F01 U16 U29 U30 U49 Y05
199081	57 CYG		B+43 3755		897 002 013 419 474 512 785 882 883 884 901 921 Z01 A19 J01 969 A59 AAA C21
199579	HR 8023		B+44 3639		897 001 002 012 882 883 211 764 A19 J01 A59 ... AAA C02 C21 C23 R02 U09 U10 U20 U30
200310	60 CYG	AB	B+45 3364		897 002 012 013 260 342 419 474 884 901 Z01 A19 A59 AAA C21 U30
200595	HR 8064	AB	B+45 3374		897 884 901 Z01 A19 A66 AAA C25 U30
201733	HR 8103		B+44 3718	7039	897 002 013 342 419 884 901 Z01 A19 A59 AAA C21 C27 U30
201819	HR 8105		B+35 4426		897 002 012 013 014 419 474 884 901 Z01 J01 A59 AAA C21 U30
202214	HR 8119	AB	B+59 2334	1CEP	898 211 764 Z01 A19 J01 884 A59 AAA C21 U09 U26 U30
202347	UPS CYG	A	B+45 3456	7039	897 002 012 013 419 A07 Z01 A19 A63 AAB
203064	68 CYG		B+34 4371		897 342 474 511 783 883 884 892 921 Z01 A19 J01 A59 AAA C01 C21 C23 R02 U01 U09 U26 U30 U38
203280	ALF CEP	A	B+61 2111		897 009 010 367 377 392 781 785 856 884 921 Z01 A19 J01 AAA C26 F01 F04 P02 U29 U30
203338	HR 8164	A	B+58 2249		884 901 Z01 J01 A42 B19
203339	W/ 203338	B	B+58 2249		Z01 884 901 AAB A42
203467	6 CEP		B+64 1527		897 002 013 260 342 419 884 901 Z01 A19 J01 A59 AAA C21 F01 F04 U30
204172	69 CYG	A	B+36 4557		897 002 012 013 419 474 882 883 884 901 962 Z01 A19 J01 009 C06 C21 E04 U09 U30
204403	70 CYG		B+36 4568		897 002 013 419 474 884 901 Z01 A19 J01 C21 F01 F04 U30
205021	BET CEP	A	B+69 1173		897 002 012 089 212 367 699 757 882 892 964 A19 J01 C21 F01 R01 U01 U12 U30 U38 U55
205139	HR 8243		B+59 2395		897 002 012 013 212 339 419 474 816 882 883 884 901 Z01 A19 J01 A59 A67 AAA C21 U30
205314	HR 8246		B+49 3553		897 884 901 Z01 AAB C26
206165	9 CEP		B+61 2169		897 002 009 012 013 419 766 816 882 883 895 921 962 A19 J01 A59 AAA C21 E04 U09 U30
206267	HR 8281	AB	B+56 2617		898 012 764 882 883 972 A19 J01 A49 ... AAA B10 B14 C02 C21 C23 E04 P03 R02 U09 U30
206365			B+49 3590		897 Z01 AAB C18
206672	PI-1 CYG		B+50 3410		897 002 013 419 474 488 504 884 901 921 Z01 A19 J01 A43 A59 AAA C21 F01 F04 U30 V03
206696			B+50 3411		897 Z01 AAB C18
207330	PI-2 CYG		B+48 3504		897 002 012 013 419 474 504 785 816 882 883 884 892 921 A19 J01 A43 AAA C21 U38 V03

TABLE 7.—Reference index for stars in catalog—Continued

HD	NAME/REMARK	COMP.	DM	GROUP	REFERENCES
208682	HR 8375	AB	B+64	1607	897 002 013 260 342 419 883 884 901 201 A19 J01 C21 U09 U30
208816	VV CEP, HR 8383	AB	B+62	2007	002 026 262 884 901 921 948 201 A19 J01 A42 B19 P03
208947	HR 8384		B+65	1691	897 002 013 419 883 884 901 201 J01 009 C21 U30
209339	HR 8399	AB	B+61	2233	897 002 012 013 212 419 474 882 883 884 901 201 A19 J01 A59 AAA C21 U09 U30
209481	14 CEP		B+57	2441	897 012 724 785 816 882 884 997 A19 J01 009 A59
209790	XI CEP	A	B+63	1802	897 291 699 753 781 884 901 921 201 A19 J01 C26
209791	W/ 209790	B	B+63	1802	897 201
209975	19 CEP	AB	B+61	2246	012 765 884 201 A19 J01 009 A59 A67 ... AAA C01 C06 C21 C23 E04 F04 R02 U09 U29 U30
210839	LAM CEP		B+58	2402	001 009 012 211 339 764 856 A19 ... AAA C02 C21 C23 F04 L03 R01 R02 U10 U16 U26 U30
211242	HR 8490		B+62	2053	897 397 884 901 201 A19 J01 AAA C26 U09 U30
212120	2 LAC	A	B+45	3894	897 002 013 419 882 883 884 901 921 201 A19 J01 B15 C21 F01 U30
212593	4 LAC		B+48	3715	897 367 397 765 766 781 884 901 921 201 A19 J01 009 E04 U09 U30
212883	HR 8549	A	B+36	4835	897 002 013 020 103 756 884 901 201 A19 J01 C21 S05
212978	HR 8553		B+39	4841	897 002 013 020 103 756 884 901 201 A19 J01 C21 F01 S05 U30
213310	5 LAC		B+46	3719	99 605 884 901 921 201 J01 A42 B19
214167	W/ 214168	B	B+38	4808	897 010 013 756 201 A19 J01 AAB C21 S05
214168	8 LAC	A	B+38	4808	897 002 009 012 013 260 342 699 756 771 884 901 201 A19 J01 969 A59 AAB C21 F01
214263			B+37	4631	897 002 013 020 103 756 201 A19 A42 S05
214680	10 LAC	A	B+38	4826	897 009 020 203 510 19 ... AAA C01 C22 C23 E04 F01 R02 S05 U01 U09 U20 U30 U38 V07
214993	12 LAC, DD LAC	A	B+39	4912	897 012 883 884 964 969 638 201 A19 J01 009 A59 ... AAA C21 S05 U12 U30 V02 V08 V10
216916	EN LAC, 16 LAC	A	B+40	4949	897 020 171 212 816 882 883 884 964 969 997 201 A19 J01 A59 ... AAA C21 S05 U12 U30
217050	EW LAC, HR 8731	A	B+47	3985	897 002 013 260 342 419 884 901 963 969 201 A19 J01 C21 E01 E03 L04 U30 V14
217675	OMI AND		B+41	4664	99 898 002 013 682 883 884 901 921 963 969 201 J01 A42 AAA U02 U07 U27 U30 U38 V04
217943	HR 8777	A	B+59	2631	897 002 013 419 474 629 884 901 201 A19 B08 C21 U30 V03
218045	ALF PEG		B+14	4926	897 169 377 689 765 766 782 783 785 921 A19 J01 C26 F01 F03 L01 P02 U07 U29 U30 Y05
218376	1 CAS		B+52	2545	897 001 002 012 013 019 212 339 419 488 517 882 883 884 921 A19 J01 C21 U01 U09 U30
218440	HR 8803		B+58	2546	897 002 013 419 884 901 201 J01 009 C21 C27 U30 V03
218537	HR 8808	AB	B+62	2171	897 002 013 419 884 901 921 201 A19 A30 A59 AAA 009 C21 C27 U30
219634	HR 8854		B+61	2413	897 884 901 201 A19 AAB C18 C25
220057			B+60	2521	7654 897 002 013 419 474 211 201 A19 A48 AAB C13
221253	AR CAS, HR 8926	AB	B+57	2748	897 002 013 284 360 366 396 419 504 882 883 892 921 969 201 A19 J01 A43 AAA C21 U30
222109	HR 8962	AB	B+43	4508	897 397 884 901 201 A19 C26 U30
222173	10T AND		B+42	4720	897 169 367 397 781 785 884 901 921 201 A19 J01 009 F01 F04 U29 U30
222439	KAP AND	A	B+43	4522	897 008 009 010 169 781 783 785 884 901 921 A19 J01 C26 F01 F04 U30
224572	SIG CAS	AB	B+54	3082	897 012 419 474 488 509 882 883 884 921 A07 201 A19 J01 A43 A48 A59 ... AAA C21 U30

TABLE 8.—Addendum to Telescope reference list (added at University of Texas)

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B07.	LEVATO, H. ROTATIONAL VELOCITIES AND SPECTRAL TYPES OF BINARY SYSTEMS. ASTR. ASTROPHYS. SUPPL. 19, PP. 91-99. 1975
B08.	LUTZ, T. E. AND LUTZ, J. H. SPECTRAL CLASSIFICATION AND UVB PHOTOMETRY OF BRIGHT VISUAL DOUBLE STARS. ASTR. J. 82, PP. 431-434. 1977
B09.	ANDERSEN, J. AND NORDSTROM, B. BRIGHT SOUTHERN STARS OF ASTROPHYSICAL INTEREST. ASTR. ASTROPHYS. SUPPL. 29, PP. 309-312. 1977
B10.	GARRISON, R. F. AND KORMENDY, J. SOME CHARACTERISTICS OF THE YOUNG OPEN CLUSTER TRUMPLER 37. PUBL. ASTR. SOC. PACIFIC 88, PP. 865-869. 1976
B11.	GALKINA, T. S. THE SPECTROPHOTOMETRIC INVESTIGATION OF THE SPECTROSCOPIC BINARY SYSTEM DELTA ORIONIS. IZV. KRYMSKAIA ASTROPHYS. OBS. 54, PP. 128-158. 1976
B12.	HUTCHINGS, J. B. AND COWLEY, A. P. HD 47129: THE MOST MASSIVE BINARY. ASTROPHYS. J. 206, PP. 490-498. 1976
B13.	THACKERAY, A. D., AND HILL, G. THE SYSTEM OF ALPHA CRUCIS. MON. NOT. R. ASTR. SOC. 168, PP. 55-59. 1974
B14.	CRAMPTON, D. AND REDMAN, R. O. BINARY O STAR HR 8281. ASTR. J. 80, PP. 454-457. 1975
B15.	HILDITCH, R. W. THE BINARY SYSTEMS 14 CEPHEI AND 2 LACERTAE. MON. NOT. R. ASTR. SOC. 169, PP. 323-329. 1974
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B20.	GUINAN, E.F., AND MCCOOK, G.P. H-ALPHA AND H-BETA PHOTOMETRY OF 32 CYGNI. PUBL. ASTR. SOC. PACIFIC 86, PP.947-951.	1974
C01.	WALBORN, N.R. SPECTRAL CLASSIFICATIONS OF OB STARS IN BOTH HEMISPHERES AND THE ABSOLUTE-MAGNITUDE CALIBRATION. ASTR. J. 77, PP.312-318. (TELESCOPE REF. A76)	1972
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C03.	BIDELMAN, W.P., AND MACCONNELL, D.J. THE BRIGHTER STARS OF ASTROPHYSICAL INTEREST IN THE SOUTHERN SKY. ASTR. J. 78, PP.687-733.	1973
C04.	JASCHEK, M., AND JASCHEK, C. THE CNO STARS. ASTR. ASTROPHYS. 36, PP.401-408.	1974
C05.	GULLIVER, A.F., AND MACRAE, D.A. 19 NEW PECULIAR A STARS. ASTR. J. 80, PP.402-403.	1975
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C07.	SLETTEBAK, A. SOME INTERESTING SOUTHERN STARS OF EARLY TYPE. ASTROPHYS. J. 197, PP.137-138.	1975
C09.	COWLEY, A.P. SPECTRAL CLASSIFICATION OF THE BRIGHT STARS. PUBL. ASTR. SOC. PACIFIC 88, PP.95-110.	1976
C13.	DAVIS, R.J. SPECTRAL CLASSIFICATION AND U,B,V, H-BETA PHOTOMETRY. ASTROPHYS. J. 213, PP.105-110.	1977
C14.	WRAY, J.D., AND PARSONS, S.B. MK CLASSIFICATION OF STARS OBSERVED BY SKYLAB EXPERIMENT S-019. (PREPRINT).	1977
C15.	HOUK, N., AND COWLEY, A.P. UNIVERSITY OF MICHIGAN CATALOGUE OF TWO-DIMENSIONAL SPECTRAL TYPES FOR THE HD STARS. LITHOCRAFTERS, INC, ANN ARBOR, MICH., VOL. 1, 425PP.	1975
C18.	ROMAN, N.G. SPECTRAL TYPES FOR EARLY-TYPE STARS OBSERVED BY SKYLAB. ASTR. J. 83, PP.172-175.	1978
C20.	GARRISON, R.F., HILTNER, W.A., AND SCHILD, R.E. MK SPECTRAL CLASSIFICATIONS FOR SOUTHERN OB STARS. ASTROPHYS. J. SUPPL. 35, PP. 111-126.	1977
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F02.	FELDT, A.N. NARROW BAND PHOTOMETRY OF THE BROAD ABSORPTIONS IN PECULIAR A STARS. <i>ASTROPHYS. LETTERS</i> 18, PP.163-165.	1977
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G18.	MURDIN, P. AND PENSTON, M.V. THE LAMBDA ORIONIS ASSOCIATION. <i>MON. NOT. R. ASTR. SOC.</i> 181, PP. 657-665.	1977
G19.	ABT, H.A. AND LEVATO, H. SPECTRAL TYPES IN THE ORION OB1 ASSOCIATION. <i>PUBL. ASTR. SOC.</i> <i>PACIFIC</i> 89, PP.797-802.	1977
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G21.	WARREN, W.H. AND HESSER, J.E. A PHOTOMETRIC STUDY OF THE ORION OB1 ASSOCIATION. II. PHOTOMETRIC ANALYSIS. <i>ASTROPHYS. J. SUPPL.</i> 34, PP.207-231.	1977
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P01.	PFEIFFER, R.J. SURVEY OF SELECTED SPECTROSCOPIC AND ECLIPSING BINARIES FOR INTRINSIC LINEAR POLARIZATION. <i>ASTR. J.</i> 82, PP.734-739.	1977
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P03.	PFEIFFER, R.J. AND KOCH, R.H. ON THE LINEAR POLARIZATION OF CLOSE BINARIES. <i>PUBL. ASTR. SOC.</i> <i>PACIFIC</i> 89, PP.147-154.	1977
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R02.	CONTI, P.S. AND EBBETS, D. SPECTROSCOPIC STUDIES OF O-TYPE STARS. VII. ROTATIONAL VELOCITIES V SIN I AND EVIDENCE FOR MACROTURBULENT MOTIONS. <i>ASTROPHYS. J.</i> 213, PP.438-447.	1977
S04.	STERKEN, C. LIGHT VARIATIONS OF EXTREME GALACTIC B- AND A SUPERGIANTS. <i>ASTR.</i> <i>ASTROPHYS.</i> 57, PP.361-371.	1977
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TABLE 8.—Addendum to Telescope reference list—Continued

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U01.	PANEK, R.J., AND SAVAGE, B.D. ULTRAVIOLET PHOTOMETRY FROM THE ORBITING ASTRONOMICAL OBSERVATORY. XXIII. THE RESONANCE LINES OF TRIPLY IONIZED CARBON AND SILICON IN THE SPECTRA OF HOT STARS. <i>ASTROPHYS. J.</i> 206, PP.167-181.	1976
U02.	KONDO, Y., MODISSETTE, J.L., AND WOLF, G.W. OBSERVATIONS OF THE MG II LINES NEAR 2800A FROM COPERNICUS. <i>ASTROPHYS. J.</i> 199, PP.110-119.	1975
U03.	HENIZE, K.G., WRAY, J.D., PARSONS, S.B., AND BENEDICT, G.F. SKYLAB ULTRAVIOLET STELLAR SPECTRA: THE WOLF-RAYET STARS. <i>ASTROPHYS. J.</i> 199, PP.1173-1175.	1975
U04.	PARSONS, S.B., WRAY, J.D., KONDO, Y., HENIZE, K.G., AND BENEDICT, G.F. SKYLAB ULTRAVIOLET STELLAR SPECTRA: COOL STARS WITH HOT SECONDARIES. <i>ASTROPHYS. J.</i> 203, PP.435-437.	1976
U05.	LECKRONE, D.S. PROPERTIES OF AP STARS IN THE ULTRAVIOLET. <i>PHYSICS OF AP-STARS, IAU COLLOQ.</i> 32, PP.465-496.	1975
U06.	CHEN, K-Y., MERRILL, J.E. AND RICHARDSON, W.W. STUDY OF LIGHT CURVE OF BETA PERSEI AT 3428 A. <i>ASTR. J.</i> 82, PP. 67-74.	1977
U07.	UNDERHILL, A.B. AND VAN DER HUCHT, K.A. LINE BLOCKING FACTORS IN THE ULTRAVIOLET SPECTRA OF 35 B6-A0 STARS. <i>ASTR. ASTROPHYS.</i> 54, PP.393-404.	1977
U08.	STICKLAND, D.J. AND VAN DER HUCHT, K.A. ON THE UV SPECTRA OF BETA CARINAE AND DELTA VELORUM. <i>ASTR. ASTROPHYS.</i> 54, PP.883-887.	1977
U09.	DORSCHNER, J., FRIEDEMANN, C. AND GURTLE, J. CORRELATION OF THE BAND AT 2175A. WITH OTHER INTERSTELLAR FEATURES. <i>ASTR. ASTROPHYS.</i> 58, PP.201-207.	1977
U10.	WILLIS, A.J., AND WILSON, R. AN ANOMALOUS 2200A. ABSORPTION BAND IN THE WC7 STAR HD156385. <i>ASTR. ASTROPHYS.</i> 59, PP.133-136.	1977
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U12.	BEECKMANS, F. AND BURGER, M. ULTRAVIOLET OBSERVATIONS OF BETA CANIS MAJORIS STARS WITH THE TD-1A SATELLITE. <i>ASTR. ASTROPHYS.</i> 61, PP.815-826.	1977
U13.	SELVELLI, P.L., CRIVELLARI, L., AND STALIO, R. THE ULTRAVIOLET SPECTRUM OF BETA ORI, B8IA. <i>ASTR. ASTROPHYS. SUPPL.</i> 27, PP.1-29.	1977
U14.	VADER, J.P., POTTASCH, S.R., AND BOHLIN, R.C. STELLAR LYMAN ALPHA AND LYMAN BETA PROFILES. <i>ASTR. ASTROPHYS.</i> 60, PP.211-219.	1977
U15.	SNIJDDERS, M.A.J. ON A SOURCE OF CONTINUOUS OPACITY IN LATE B-TYPE MAIN SEQUENCE STARS. <i>ASTR. ASTROPHYS.</i> 60, PP.377-388.	1977
U16.	SNOW, T.P. AND MORTON, D.C. COPERNICUS ULTRAVIOLET OBSERVATIONS OF MASS LOSS EFFECTS IN O AND B STARS. <i>ASTROPHYS. J. SUPPL.</i> 32, PP.429-465.	1976
U17.	FARAGGIANA, R., HACK, M. AND LECKRONE, D.S. THE ULTRAVIOLET SPECTRUM OF ALPHA LYRAE. <i>ASTROPHYS. J. SUPPL.</i> 32, PP.501-535.	1976
U18.	LAMERS, H. AND MORTON, D.C. MASS EJECTION FROM THE O4F STAR ZETA PUPPIS. <i>ASTROPHYS. J. SUPPL.</i> 32, PP.715-736.	1976
U19.	MORTON, D.C. AND UNDERHILL, A.B. THE ULTRAVIOLET SPECTRUM OF ZETA PUPPIS. <i>ASTROPHYS. J. SUPPL.</i> 33, PP.83-99.	1977
U20.	SNOW, T.P. AND JENKINS, E.B. A CATALOG OF 0.2A RESOLUTION FAR-ULTRAVIOLET STELLAR SPECTRA MEASURED WITH COPERNICUS. <i>ASTROPHYS. J. SUPPL.</i> 33, PP.269-360.	1977
U21.	HACK, M., HUTCHINGS, J.B., KONDO, Y. AND MCCLUSKEY, G.E. THE ULTRAVIOLET SPECTRUM OF BETA LYRAE. III. <i>ASTROPHYS. J. SUPPL.</i> 34, PP.565-580.	1977
U22.	ROGERSON, J.B. AND UPSON, W.L. THE COPERNICUS ULTRAVIOLET SPECTRAL ATLAS OF TAU SCORPII. <i>ASTROPHYS. J. SUPPL.</i> 35, PP.37-110.	1977
U23.	KONDO, Y., MCCLUSKEY, G.E. AND EATON, J.A. ULTRAVIOLET PHOTOMETRY FROM THE ORBITING ASTRONOMICAL OBSERVATORY. XXII. ULTRAVIOLET LIGHT VARIATIONS OF BETA LYRAE. <i>ASTROPHYS. SPACE SCI.</i> 41, PP.121-137.	1976
U24.	LENGYEL-FREY, D., STECHER, T.P. AND WEST, O.K. AN UPPER LIMIT ON INTERSTELLAR C IV IN THE SPECTRUM OF GAMMA 2 VELORUM. <i>OBSERVATORY</i> 95, PP.210-211.	1975
U25.	KONDO, Y. THE BEHAVIOR OF THE MG II LINES NEAR 2800A IN A, B, AND O STARS. <i>PUBL. ASTR. SOC. PACIFIC</i> 89, PP.675-683.	1977

TABLE 8.—Addendum to Telescope reference list—Continued

U26.	DORSCHNER, J., FRIEDEMANN, C. AND GÜTLER, J. THE ULTRAVIOLET ABSORPTION BAND AT 2175 Å: CORRELATIONS WITH OTHER INTERSTELLAR FEATURES. ASTROPHYS. SPACE SCI. 46, PP. 357-369.	1977
U27.	HERCZEG, T. J., KONDO, Y. AND VAN DER HUCHT, K. A. THE ULTRAVIOLET SPECTRA OF FOUR BINARIES OBSERVED WITH THE S59 SPECTROMETER. ASTROPHYS. SPACE SCI. 46, PP. 379-387.	1977
U28.	GURZADYAN, G. A. ORION-2: FIRST SCIENTIFIC RESULTS. SPACE SCI. REVIEWS 18, PP. 95- 139.	1975
U29.	COOE, A. D. AND MEADE, M. R. ULTRAVIOLET PHOTOMETRY FROM THE ORBITING ASTRONOMICAL OBSERVATORY. AN ATLAS OF ULTRAVIOLET STELLAR SPECTRA. WISCONSIN ASTROPHYSICS (PREPRINT), N. 30, 101PP.	1976
U30.	JAMAR, C., MACAU-HERCOT, MONFILS, THOMPSON, HOUZIAUX, AND WILSON ULTRAVIOLET BRIGHT-STAR SPECTROPHOTOMETRIC CATALOGUE. EUROPEAN SPACE AGENCY SR-27, 489PP.	1976
U31.	LESH, J. R. ULTRAVIOLET PHOTOMETRY FROM THE ORBITING ASTRONOMICAL OBSERVATORY. XXVII. ULTRAVIOLET LIGHT CURVES FOR ALPHA LUPI AND BW VULPECULAE. ASTROPHYS. J. 219, PP. 947-951.	1978
U32.	BOHLIN, R. C. ULTRAVIOLET AND VISUAL SPECTRA OF GAMMA CASSIOPEIAE. ASTROPHYS. J. 162, PP. 571-587.	1970
U33.	MORTON, D. C., JENKINS, E. B. AND MACY, W. W. ROCKET-ULTRAVIOLET SPECTRA OF SIX STARS IN PERSEUS. ASTROPHYS. J. 177, PP. 235-244.	1972
U34.	MORTON, D. C., JENKINS, E. B., MATILSKY, T. A. AND YORK, D. G. ROCKET-ULTRAVIOLET SPECTRA OF EIGHT STARS IN OPHIUCHUS AND SCORPIUS. ASTROPHYS. J. 177, PP. 219-234.	1972
U35.	JENKINS, E. B., MORTON, D. C. AND YORK, D. G. ROCKET-ULTRAVIOLET SPECTRA OF KAPPA, LAMBDA, TAU, AND UPSILON SCORPII. ASTROPHYS. J. 194, PP. 77-85.	1974
U36.	BEECKMANS, F. ABSOLUTE ULTRAVIOLET SPECTROPHOTOMETRY FROM THE TD-1 SATELLITE. VII. ULTRAVIOLET VARIATIONS OF ZETA TAU. ASTR. ASTROPHYS. 49, PP. 263-269.	1976
U37.	HEAP, S. R. HIGH-RESOLUTION ROCKET SPECTRA OF THE 1920A AND 1720A FEATURES IN THE SPECTRUM OF ZETA TAURI. ASTROPHYS. J. 217, PP. 90-94.	1977
U38.	MOLNAR, M. R. MARINER 9 ULTRAVIOLET SPECTROMETER EXPERIMENT: STRONG STELLAR LINES IN OB STARS. ASTROPHYS. J. 200, PP. 106-112.	1975
U39.	EATON, J. A. ULTRAVIOLET PHOTOMETRY FROM THE ORBITING ASTRONOMICAL OBSERVATORY. XIX. ATMOSPHERIC PROPERTIES OF THE DETACHED BINARIES VV ORIONIS AND MR CYGNI. ASTROPHYS. J. 197, PP. 379-391.	1977
U40.	SMITH, A. M. ROCKET SPECTROSCOPY OF ZETA ORIONIS. ASTROPHYS. J. 172, PP. 129-148.	1972
U41.	EVANS, R. G. ULTRA-VIOLET OBSERVATIONS OF THE ECLIPSING BINARY STAR DELTA PICTORIS FROM THE TD-1A SATELLITE. MON. NOT. R. ASTR. SOC. 167, PP. 517-525.	1974
U42.	UNDERHILL, A. B. CIRCUMSTELLAR LINES IN THE SPECTRUM OF ETA CANIS MAJORIS. ASTROPHYS. J. 199, PP. 691-693.	1975
U43.	MCCLUSKEY, G. E. JR. AND KONDO, Y. MASS FLOW IN THE O7F BINARY UW CANIS MAJORIS. II. ASTROPHYS. J. 208, PP. 760-764.	1976
U44.	MORTON, D. C. P CYGNI PROFILES IN ZETA OPHIUCHI AND ZETA PUPPIS. ASTROPHYS. J. 203, PP. 386-398.	1976
U45.	VAN DER HUCHT, K. A. AND LAMERS, H. J. A C IV EMISSION FEATURE IN THE NEAR-ULTRAVIOLET SPECTRUM OF THE WOLF-RAYET STAR GAMMA VELORUM. ASTROPHYS. J. 181, PP. 537-542.	1973
U46.	MOLNAR, M. R. OAO-2 OBSERVATIONS OF THE HELIUM SPECTRUM VARIABLE A CENTAURI. ASTROPHYS. J. 187, PP. 531-537.	1974
U47.	STALIO, R. SPECTROPHOTOMETRIC RESULTS FROM THE COPERNICUS SATELLITE. THE ULTRAVIOLET SPECTRUM OF ALPHA AND. ASTR. ASTROPHYS. 36, PP. 279-294.	1974
U48.	STALIO, R. AND SELVELLI, P. L. THE ULTRAVIOLET SPECTRA OF EPSILON ORI, 80 IA AND KAPPA ORI, 80.5 IA. ASTR. ASTROPHYS. SUPPL. 21, PP. 241-277.	1975
U49.	KONDO, Y., MORGAN, T. H. AND MODISSETTE, J. L. MASS LOSS OBSERVED IN THE ULTRAVIOLET SPECTRUM OF THE A2 SUPERGIANT, ALPHA CYGNI. ASTROPHYS. J. 198, L37-L39.	1975
U50.	SNOW, T. P. JR. LONG-TERM CHANGES IN ULTRAVIOLET P CYGNI PROFILES OBSERVED WITH COPERNICUS. ASTROPHYS. J. 217, PP. 760-770.	1977
U51.	DOHERTY, L. R., MCNALL, J. F. AND HOLM, A. V. ULTRAVIOLET PHOTOMETRY FROM THE ORBITING ASTRONOMICAL OBSERVATORY. XI. THE 1971 ECLIPSE OF 32 CYGNI. ASTROPHYS. J. 187, PP. 521-530.	1974

TABLE 8.—Addendum to Telescope reference list—Continued

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U53.	EATON, J.A. ULTRAVIOLET PHOTOMETRY AND SPECTROPHOTOMETRY OF ALGOL. PUBL. ASTR. SOC. PACIFIC 87, PP.745-751.	1975
U54.	HEAP, S.R. OAO-2 OBSERVATIONS OF HD 153919 = 2U 1700-37. ASTROPHYS. J. 181, PP.171-173.	1973
U55.	HUTCHINGS, J.B., AND HILL, G. COPERNICUS OAO OBSERVATIONS OF BETA CEPHEI AND ALPHA VIRGINIS. ASTROPHYS. J. 213, PP.111-120.	1977
U56.	MARLBOROUGH, J.M. ULTRAVIOLET OBSERVATIONS OF BE STARS. I. MACROSCOPIC RADIAL MOTIONS IN THE ATMOSPHERES OF EARLY BE STARS. ASTROPHYS. J. 216, PP.446-456.	1977.
V01.	GIES, D.R., AND PERCY, J.R. PHOTOMETRIC VARIABILITY OF 29 CYGNI. ASTR. J. 82, PP.166-168.	1977
V02.	ALLISON, A.M., GLASPEY, J.W. AND FAHLMAN, G.G. SPECTRAL VARIATIONS OF 12 LACERTAE. ASTR. J. 82, PP.283-289.	1977
V03.	PERCY, J.R. AND LANE, M.C. SEARCH FOR BETA CEPHEI STARS I: PHOTOMETRIC AND SPECTROSCOPIC STUDIES OF NORTHERN B-TYPE STARS. ASTR. J. 82, PP.353-359.	1977
V04.	BOSSI, M., GUERRERO, G. AND MANTEGAZZA, L. PHOTOELECTRIC OBSERVATIONS OF THE SHELL STAR OMICRON AND. ASTR. ASTROPHYS. SUPPL. 29, PP.327-332.	1977
V05.	PEDERSEN, H. AND THOMSEN, B. SPECTRUM AND PHOTOMETRIC VARIABILITY OF HE-WEAK AND HE-STRONG STARS. ASTR. ASTROPHYS. SUPPL. 30, PP.11-25.	1977
V06.	BALONA, L.A. A SEARCH FOR BETA CANIS MAJORIS STARS. MEM. R. ASTR. SOC. 84, PP. 101-117.	1977 05
V07.	CHOCHOL, D. AND GRYGAR, J. SPECTRAL LINE VARIATIONS OF THE EARLY-TYPE STAR 10 LACERTAE IN THE YEARS 1972-1973. BULL. ASTR. INST. CZECH. 27, PP.181-190.	1976.
V08.	HEARD, J.F., HURKENS, R.J., PERCY, J.R. AND PORCO, M. STUDIES OF 12 (DD) LACERTAE. J. ROY. ASTR. SOC. CANADA 70, PP.213-227.	1976
V09.	JERZYKIEWICZ, M. AND STERKEN, C. SEARCH FOR BETA CEPHEI STARS SOUTH OF DECLINATION -20. I. INCIDENCE OF LIGHT VARIABILITY AMONG EARLY B GIANTS AND SUBGIANTS - SUMMER OBJECTS. ACTA ASTRON. 27, PP.365-387.	1977
V10.	SATO, N. OBSERVATIONAL STUDIES OF 12 DD LACERTAE. II. RADIAL VELOCITY AND THE VARIATION OF LINE PROFILES. ASTROPHYS. SPACE SCI. 48, PP.453- 470.	1977
V11.	CONTI, P.S., AND NIEMELA, V.S. A CHANGE IN THE OPTICAL SPECTRUM OF ZETA PUPPIS. ASTROPHYS. J. 209, PP.L37-L38.	1976
V12.	UNDERHILL, A.B., FAHEY, R.P., AND KLINGLESMTIH, D.A. THE SPECTRUM OF HD 125823 (A CENTAURI). ASTROPHYS. J. 199, PP.120-126.	1975
V13.	BARKER, P.K., AND BROWN, T. THE DISPERSAL OF THE SHELL OF ZETA OPHIUCHI. ASTROPHYS. J. 192, PP.L11-L13.	1974
V14.	LESTER, D.F. SHORT TIME-SCALE PHOTOMETRIC VARIABILITY OF THE SHELL STAR EW LACERTAE. PUBL. ASTR. SOC. PACIFIC 87, PP.177-184.	1975
V15.	DUKES, R.J. JR. THE BETA CEPHEI NATURE OF SPICA. ASTROPHYS. J. 192, PP.81-91.	1974
V16.	HUTCHINGS, J.B., CRAMPTON, D., AND REDMAN, R.O. SPECTROSCOPIC INVESTIGATION OF X PERSEI (= 2U 0352+30 :) MON. NOT. R. ASTR. SOC. 170, PP.313-324.	1975
V17.	FEINSTEIN, A. BE STARS WITH LARGE MAGNITUDE CHANGES. PUBL. ASTR. SOC. PACIFIC 87, PP.603-605.	1975
X01.	VAN GENDEREN, A.M. FIVE-COLOUR PHOTOMETRY OF THE X-RAY BINARY HD 153919 (3U 1700-37). ASTR. ASTROPHYS. 54, PP.683-689.	1977
X02.	CATURA, R.C., ACTON, L.W., AND JOHNSON, H.M. EVIDENCE FOR X-RAY EMISSION FROM CAPELLA. ASTROPHYS. J. 196, PP. L47-L49.	1975
X03.	HENSBERGE, G. THE EXPANDING ATMOSPHERE OF THE O F COMPONENT OF THE ECLIPSING X-RAY BINARY HD 153919. ASTR. ASTROPHYS. 36, PP.295-298.	1974
Y01.	MOFFAT, A.F.J. AND SEGGEWISS, W. THE WOLF-RAYET BINARY THETA MUSCAE. ASTR. ASTROPHYS. 54, PP.607- 616.	1977
Y02.	DETZ, A. SPECTRAL PHOTOMETRY AND QUANTITATIVE ANALYSIS OF THE STAR HD 120640. ASTR. ASTROPHYS. SUPPL. 28, PP.403-408.	1977

TABLE 8.—*Addendum to Telescope reference list—Continued*

Y03.	WALRAVEN, T. AND WALRAVEN, J.H. FIVE CHANNEL PHOTOMETRIC OBSERVATIONS OF THE STARS IN THE MAGELLANIC CLOUDS AND IN THE MILKY WAY. ASTR. ASTROPHYS. SUPPL. 30, PP.245-260.	1977
Y04.	COWLEY, C.R. YTTRIUM, BARIUM, AND LANTHANIDES IN AP AND AM STARS. ASTROPHYS. J. SUPPL. 32, PP.631-650.	1976
Y05.	JOHNSON, H.L. AN ATLAS OF STELLAR SPECTRA. I. REVISTA MEX. ASTRON. ASTROFIS. 2, PP.71-170.	1977
Z01.	JUNG, J., BISHOFF, M., AND OCHSENNBEIN, F. CATALOGUE OF STELLAR IDENTIFICATIONS. C.O.S. INF. BULL. (STRASBOURG), NO. 4, PP.27-34 (1975 TAPE EDITION).	1973
Z02.	BECVAR, A. ATLAS BOREALIS. ATLAS ECLIPTICALIS. ATLAS AUSTRALIS. CZECH. ACAD. OF SCI., PRAHA, AND SKY PUBL. CO., CAMBRIDGE, MASS.	1962, 1964

TABLE 9.—*Alphabetical cross index of reference codes by author*

G19.	ABT, H.A. AND LEVATO, H.	1977
V02.	ALLISON, A.M., GLASPEY, J.W. AND FAHLMAN, G.G.	1977
B09.	ANDERSEN, J. AND NORDSTROM, B.	1977
V06.	BALONA, L.A.	1977
V13.	BARKER, P.K., AND BROWN, T.	1974
L02.	BARNES, T.G., LAMBERT, D.L., AND POTTER, A.E.	1974
Z02.	BECVAR, A.	1962, 1964
U36.	BEECKMANS, F.	1976
U12.	BEECKMANS, F. AND BURGER, M.	1977
C03.	BIDELMAN, W.P., AND MACCONNELL, D.J.	1973
B17.	BISIACCHI, G., FLORA, U., AND HACK, M.	1974
U32.	BOHLIN, R.C.	1970
V04.	BOSSI, M., GUERRERO, G. AND MANTEGAZZA, L.	1977
F01.	BREGER, M.	1976
E01.	BRIOT, D.	1977
X02.	CATURA, R.C., ACTON, L.W., AND JOHNSON, H.M.	1975
B18.	CESTER, B., AND PUCILLO, M.	1975
U06.	CHEN, K-Y., MERRILL, J.E., AND RICHARDSON, W.W.	1977
V07.	CHOCHOL, D. AND GRYGAR, J.	1976
J03.	CLARIA, J.J.	1974
U29.	CODE, A.D., AND MEADE, M.R.	1976
R02.	CONTI, P.S. AND EBBETS, D.	1977
L03.	CONTI, P.S., AND FROST, S.A.	1974
C23.	CONTI, P.S., AND LEEP, E.M.	1974
V11.	CONTI, P.S., AND NIEMELA, V.S.	1976
C25.	COWLEY, A.	1972
C09.	COWLEY, A.P.	1976
C26.	COWLEY, A., COWLEY, C., JASCHEK, M., AND JASCHEK, C.	1969
C24.	COWLEY, A., AND FRAQUELLI, D.	1974
Y04.	COWLEY, C.R.	1976
B14.	CRAMPTON, D., AND REDMAN, R.O.	1975
S05.	CRAWFORD, D.L. AND WARREN, W.H.	1976
E02.	DACHS, J., MAITZEN, H.-M., MOFFAT, A.F.J., SHERWOOD, W.A. AND STIFT	1977
C13.	DAVIS, R.J.	1977
AAA.	DAVIS, R.J., DEUTSCHMAN, W.A., AND HARAMUNDANIS, K.L.	1973
J05.	DENOYELLE, J.	1977
Y02.	DETZ, A.	1977
AAB.	DEUTSCHMAN, W.A., DAVIS, R.J., AND SCHILD, R.E.	1976
U52.	DOHERTY, L.R., AND JUNG, A.F.	1975
U51.	DOHERTY, L.R., MCNALL, J.F., AND HOLM, A.V.	1974

TABLE 9.—*Alphabetical cross index of reference codes by author—Continued*

U09.	DORSCHNER, J., FRIEDEMANN, C. AND GURTLE, J.	1977
U26.	DORSCHNER, J., FRIEDEMANN, C. AND GURTLE, J.	1977
G20.	DUBOSHIN, G.N., DOLGACHEV, V.P., KALININA, RYBAKOV AND KHOLOPOV	1976
V15.	DUKES, R.J. JR.	1974
U39.	EATON, J.A.	1975
U53.	EATON, J.A.	1975
U41.	EVANS, R.G.	1974
U17.	FARAGGIANA, R., HACK, M. AND LECKRONE, D.S.	1976
V17.	FEINSTEIN, A.	1975
F02.	FELDT, A.N.	1977
B11.	GALKINA, T.S.	1976
C20.	GARRISON, R.F., HILTNER, W.A., AND SCHILD, R.E.	1977
B10.	GARRISON, R.F. AND KORMENDY, J.	1976
V01.	GIES, D.R., AND PERCY, J.R.	1977
C27.	GUETTER, H.H.	1968
B20.	GUINAN, E.F., AND MCCOOK, G.P.	1974
C05.	GULLIVER, A.F., AND MACRAE, D.A.	1975
U28.	GURZADYAN, G.A.	1975
U21.	HACK, M., HUTCHINGS, J.B., KONDO, Y. AND MCCLUSKEY, G.E.	1977
U54.	HEAP, S.R.	1973
U37.	HEAP, S.R.	1977
V08.	HEARD, J.F., HURKENS, R.J., PERCY, J.R. AND PORCO, M.	1976
U03.	HENIZE, K.G., WRAY, J.D., PARSONS, S.B., AND BENEDICT, G.F.	1975
X03.	HENSBERGE, G.	1974
U27.	HERCZEG, T.J., KONDO, Y. AND VAN DER HUCHT, K.A.	1977
B15.	HILDITCH, R.W.	1974
C15.	HOUK, N., AND COWLEY, A.P.	1975
B12.	HUTCHINGS, J.B., AND COWLEY, A.P.	1976
V16.	HUTCHINGS, J.B., CRAMPTON, D., AND REDMAN, R.O.	1975
U55.	HUTCHINGS, J.B., AND HILL, G.	1977
R01.	HUTCHINGS, J.B. AND STOECKLEY, T.R.	1977
U30.	JAMAR, C., MACAU-HERCOT, MONFILS, THOMPSON, HOUZIAUX, AND WILSON	1976
C04.	JASCHEK, M., AND JASCHEK, C.	1974
U35.	JENKINS, E.B., MORTON, D.C., AND YORK, D.G.	1974
V09.	JERZYKIEWICZ, M. AND STERKEN, C.	1977
Y05.	JOHNSON, H.L.	1977
Z01.	JUNG, J., BISHOFF, M., AND OCHSENNBEIN, F.	1973
C29.	KENNEDY, P.M.	1976
F03.	KHARITONOV, A.V.	1975
E03.	KITCHIN, C.R.	1976
J04.	KLARE, G. AND NECKEL, T.	1977
L04.	KOGURE, T.	1975
U25.	KONDO, Y.	1977
U23.	KONDO, Y., MCCLUSKEY, G.E. AND EATON, J.A.	1976
U02.	KONDO, Y., MODISETTE, J.L., AND WOLF, G.W.	1975
U49.	KONDO, Y., MORGAN, T.H., AND MODISETTE, J.L.	1975
U18.	LAMERS, H. AND MORTON, D.C.	1976
U05.	LECKRONE, D.S.	1975
U24.	LENGYEL-FREY, D., STECHER, T.P. AND WEST, D.K.	1975
C21.	LESH, J.R.	1968
U31.	LESH, J.R.	1978
V14.	LESTER, D.F.	1975
B07.	LEVATO, H.	1975

TABLE 9.—*Alphabetical cross index of reference codes by author—Continued*

B08.	LUTZ, T.E. AND LUTZ, J.H.	1977
U56.	MARLBOROUGH, J.M.	1977
U43.	MCCLUSKEY, G.E. JR., AND KONDO, Y.	1976
J01.	MERMILLIOD, J.-C.	1973
J06.	MERMILLIOD, J.-C.	1976
Y01.	MOFFAT, A.F.J. AND SEGGEWISS, W.	1977
U46.	MOLNAR, M.R.	1974
U38.	MOLNAR, M.R.	1975
C22.	MORGAN, W.W., AND KEENAN, P.C.	1973
U44.	MORTON, D.C.	1976
U33.	MORTON, D.C., JENKINS, E.B., AND MACY, W.W.	1972
U34.	MORTON, D.C., JENKINS, E.B., MATILSKY, T.A. AND YORK, D.G.	1972
U19.	MORTON, D.C. AND UNDERHILL, A.B.	1977
G18.	MURDIN, P. AND PENSTON, M.V.	1977
F04.	NIKONOV, V.B. AND TEREZ, G.A.	1976
U01.	PANEK, R.J., AND SAVAGE, B.D.	1976
D28.	PARSONS, S.B., HENIZE, K.G., WRAY, J.D., BENEDICT, G.F., AND LAGET	1976
U04.	PARSONS, S.B., WRAY, J.D., KONDO, Y., HENIZE, K.G., AND BENEDICT	1976
V05.	PEDERSEN, H. AND THOMSEN, B.	1977
V03.	PERCY, J.R. AND LANE, M.C.	1977
P01.	PFEIFFER, R.J.	1977
P03.	PFEIFFER, R.J. AND KOCH, R.H.	1977
B19.	PICCIRILLO, J.	1974
P02.	PIIROLA, V.	1977
U22.	ROGERSON, J.B. AND UPSON, W.L.	1977
C18.	ROMAN, N.G.	1978
E04.	ROSENDHAL, J.D.	1973
V10.	SATO, N.	1977
U13.	SELVELLI, P.L., CRIVELLARI, L., AND STALIO, R.	1977
C07.	SLETTEBAK, A.	1975
U40.	SMITH, A.M.	1972
U15.	SNIJDERS, M.A.J.	1977
U50.	SNOW, T.P. JR.	1977
U20.	SNOW, T.P. AND JENKINS, E.B.	1977
U16.	SNOW, T.P. AND MORTON, D.C.	1976
U47.	STALIO, R.	1974
U48.	STALIO, R., AND SELVELLI, P.L.	1975
U11.	STALIO, R., SELVELLI, P.L., AND CRIVELLARI, L.	1977
S04.	STERKEN, C.	1977
U08.	STICKLAND, D.J. AND VAN DER HUCHT, K.A.	1977
L01.	TERESHCHENKO, V.M.	1976
B13.	THACKERAY, A.D., AND HILL, G.	1974
U42.	UNDERHILL, A.B.	1975
V12.	UNDERHILL, A.B., FAHEY, R.P., AND KLINGLESMTIH, D.A.	1975
U07.	UNDERHILL, A.B. AND VAN DER HUCHT, K.A.	1977
U14.	VADER, J.P., POTTASCH, S.R., AND BOHLIN, R.C.	1977
U45.	VAN DER HUCHT, K.A., AND LAMERS, H.J.	1973
X01.	VAN GENDEREN, A.M.	1977
C01.	WALBORN, N.R.	1972
C02.	WALBORN, N.R.	1973
C06.	WALBORN, N.R.	1976
Y03.	WALRAVEN, T. AND WALRAVEN, J.H.	1977
S06.	WARREN, W.H. AND HESSER, J.E.	1977



TABLE 9.—*Alphabetical cross index of reference codes by author—Continued*

G21.	WARREN, W.H. AND HESSER, J.E.	1977
U10.	WILLIS, A.J., AND WILSON, R.	1977
B16.	WOLFF, S.C., AND MORRISON, N.D.	1974
C28.	WOOD, R.	1977
C14.	WRAY, J.D., AND PARSONS, S.B.	1977

## IV. Description of the Catalog

The data tables comprising the catalog contain the flux (F) as a function of wavelength for each program star. The stars are listed in order of HD number, with a common name also given at the top of each table. The flux values can be read horizontally for the greatest wavelength resolution, or scanned vertically for a review of the data.

Each entry in the main part of the table, e.g. (with corresponding heading),

LAMBDA, F (WT, SIG)  
2085E 8.23E-10 (.7 1.5)

consists of the wavelength in angstrom units, a comma or comment character, the flux in  $\text{ergs cm}^{-2} \text{sec}^{-1} \text{\AA}^{-1}$ , the relative weight, and the standard deviation in percent. Because of the prismatic dispersion of the spectrograph, the fluxes are tabulated for different intervals in different wavelength regions (the major blocks in the table) in such a way that the original resolution is not significantly degraded. Slight overlap is provided between the regions. For example, the value of F at 2310  $\text{\AA}$  just above the break is an average from 2307.5 to 2312.5  $\text{\AA}$ , while the value at 2310  $\text{\AA}$  just below is averaged from 2305 to 2315  $\text{\AA}$ .

Toward the bottom of each table are three lines containing wavelengths in nanometers and intermediate-band magnitude values with their weights and standard deviations. The bottom lines give data on the exposures used to derive the fluxes, and the recommended flux adjustment factor.

### Flux

The parameter F represents approximately the absolute flux incident at the earth, averaged over the wavelength interval  $\lambda - \Delta\lambda/2$  to  $\lambda + \Delta\lambda/2$ , where  $\Delta\lambda$  is the (horizontal) wavelength spacing in each block of data. Occasionally a value of order  $10^{-24}$  will appear; this is a default value to keep the numbers positive. As discussed in section III, the adjustment factors,  $r$  (derived subsequently to the computation of the flux values), allow the user to adjust the values

more closely to the TD-1 scale of absolute spectrophotometry.

### Weight and Comment Character

The total weight at a particular wavelength depends on whether the different spectra comprising the average are underexposed, optimally exposed, or overexposed. Each spectrum contributes a weight,  $w_i$ , that is some fraction of the WT value assigned. The weight refers primarily to the accuracy of the absolute fluxes; frequently the spectral details but not the absolute fluxes are trustworthy in partially overexposed regions. The "U" (underexposure) after the wavelength denotes an average intensity only a little above background fog, while "E" (extreme exposure) denotes an average density not far from complete saturation.

Occasionally it was not possible to avoid an overlapping star in a portion of an otherwise worthwhile spectrum. Such portions are indicated by an "L." Sometimes the fluxes presented in such a region were obtained by linear interpolation. In all cases the weights have been modified to indicate the reliability of the data in the region. Also, there are occasional defects, denoted by "D," holes or dark spots in the emulsion, which could not be avoided in the scanning.

### Standard Deviation

The standard deviation  $\sigma$  (SIG) for  $N$  exposures scaled and then averaged together is calculated for each table entry according to:

$$\sigma^2 = \sum_1^N w_i (S_i F_i - F)^2 / \sum_1^N w_i \quad (4)$$

where  $S_i$  and  $F_i$  are the individual SCALE and flux values. The standard deviation is expressed as a percentage of the mean value  $F$ . The  $\sigma$  values reflect both grain noise and the effects of differences in slope among the derived energy distributions. If these values are consistently zero over a portion of the

table, then only one exposure was used in that region. For the intermediate-band magnitudes, the  $\sigma$  values are still percentages but are computed from the differences among the magnitudes from separate exposures, hence the grain noise component is eliminated.

### Intermediate-Band Magnitudes

These magnitude values correspond to fluxes averaged over much greater wavelength intervals, as given in table 10. The magnitude is defined by  $-2.5 \log \bar{F} - 21.10$  where  $\bar{F}$  is the average flux over the interval. The constant, corresponding to  $3.64 \times 10^{-9}$  ergs  $\text{cm}^{-2} \text{sec}^{-1} \text{\AA}^{-1}$ , was adopted following reference 12 to put the magnitudes on the same energy scale as visual V magnitudes. The value of  $\bar{F}$  is a straight average (rectangular pass-band) except for the 360-nm band, where a Johnson U filter function is used (ref. 15). Based on the absolute calibration of U magnitudes (ref. 16), approximately 0.20 mag should be subtracted to put the ground-based U values on the energy scale.

Prominent lines occurring in the pass-bands are indicated in table 10; regions designated as "continuum" actually do contain many weak to moderate lines.

The magnitude system presented is a convenient way to summarize the energy distributions and was chosen so that each band corresponds to a fixed length, 360  $\mu\text{m}$ , of the spectrum on the film. Thus

the system is easily applied to the measurement of the many unwidened spectra photographed by S-019.

### Position, Scanning, and Exposure Information

The bottom lines of each table give the data on the exposures used to derive the fluxes. The plate position X,Y(MM) refers to the position of the optical head of the spectrum with respect to the field center, measured at the original plate scale. Coordinates are defined such that, with the frame oriented as in figure 3 (shorter wavelengths toward the left), X increases toward the left and Y increases toward the bottom. The dimensions of the  $4^\circ$  by  $5^\circ$  field are 32 by 40 mm on this scale. These data allow location of selected stars on full field prints such as those available from the National Space Science Data Center. Address inquiries to: NSSDC, ATTN: Manager, Request Coordination, Goddard Space Flight Center, Code 601, Greenbelt, MD 20771. The frame number may be used to find the date and other information in table 1.

The number of SCANS gives the number of strips of spectrum measured; multiplying by 30  $\mu\text{m}$  gives the approximate width. Due to overlapping stars, this value is not always the total width recorded on film. The exposure time T in seconds usually was taken from table 1, but when no precise T was available, a default value was used, indicated by a colon. The

TABLE 10.—Characteristics of ultraviolet pass-bands

Central $\lambda$ (nm)	Range ( $\text{\AA}$ )	Features
135	1347-1364	Continuum
139	1385-1405	Si IV lines
148	1465-1495	Continuum
154	1521-1560	C IV plus Fe III plus Si II lines
161	1587-1636	Temperature- and gravity-sensitive blends
166	1636-1693	Continuum; blends in hotter stars
172	1693-1760	Gravity-sensitive blend
181	1770-1853	Continuum
192	1870-1975	Gravity-sensitive depression (Fe III)
204	1975-2110	Continuum
219	2110-2290	Continuum; maximum interstellar extinction
245	2320-2600	Continuum; Fe II in cooler stars
280	2600-3070	Continuum; Mg II in cooler stars
360	3070-4100	Continuum; $\sim$ Johnson U mag.

assigned weight (WT) for each spectrum depends partly on the measurable width and partly on the presumed quality of the reduction. The SL4 spectra normally receive a weight of 0.6 or 0.7, instead of 0.9 or 1.0, because the emulsion batch used was grainier and had poorer photometric properties than the emulsion batch used on SL2 and SL3. The SCALE

value is the relative scaling of the flux values for maximum agreement prior to averaging the different exposures. SCALE also was used to make an approximate adjustment when less than the full width of the spectrum could be scanned.

The catalog is also available on magnetic tape from the NSSDC.

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NOTE.—These references are in addition to the bibliography contained in table 8.

## The Catalog

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HD 432

BET CAS

HD 432

LAMBDA, F (WT, SIG)				F = AVE FLUX FROM LAM-DEL/2 TO LAM+DEL/2			
1720U	4.46E-11	(.1 0.0)		1722U	4.57E-11	(.2 0.0)	
1730U	5.64E-11	(.3 0.0)		1732U	6.20E-11	(.3 0.0)	
1740U	5.72E-11	(.4 0.0)		1742U	5.55E-11	(.4 0.0)	
1750U	5.91E-11	(.4 0.0)		1752U	5.57E-11	(.4 0.0)	
1760U	5.49E-11	(.5 0.0)		1762U	5.98E-11	(.6 0.0)	
1770U	4.14E-11	(.3 0.0)		1772U	4.22E-11	(.3 0.0)	
1780U	5.73E-11	(.6 0.0)		1782U	5.87E-11	(.6 0.0)	
1790U	5.90E-11	(.7 0.0)		1792U	6.13E-11	(.8 0.0)	
1800U	7.54E-11	(1.0 0.0)		1802U	7.53E-11	(1.0 0.0)	
1810U	7.86E-11	(1.0 0.0)		1812U	7.93E-11	(1.0 0.0)	
1820U	7.86E-11	(1.0 0.0)		1822U	7.66E-11	(1.0 0.0)	
1830U	7.52E-11	(1.0 0.0)		1835U	7.35E-11	(1.0 0.0)	
1840U	8.26E-11	(1.0 0.0)		1845U	9.07E-11	(1.0 0.0)	
1850U	7.61E-11	(1.1 0.0)		1855U	6.78E-11	(1.1 1.1)	
1875U	7.59E-11	(1.2 2.6)		1880U	8.00E-11	(1.3 7.7)	
1900U	9.04E-11	(1.5 .3)		1905U	9.42E-11	(1.6 2.7)	
1925U	9.58E-11	(1.8 4.6)		1930U	9.43E-11	(1.8 6.4)	
1950U	1.06E-10	(2.0 5.4)		1955U	1.11E-10	(2.0 2.5)	
1975U	1.23E-10	(1.9 3.4)		1980U	1.22E-10	(1.9 .7)	
2000U	1.06E-10	(1.9 4.6)		2005U	9.98E-11	(1.9 7.0)	
2025U	1.06E-10	(1.8 .8)		2030U	1.08E-10	(1.8 .9)	
2050U	1.31E-10	(1.7 3.8)		2055U	1.32E-10	(1.6 2.5)	
2075U	1.51E-10	(1.4 2.6)		2080U	1.57E-10	(1.4 2.3)	
2100U	1.57E-10	(1.3 2.2)		2105U	1.49E-10	(1.3 2.0)	
2125U	1.40E-10	(1.3 1.9)		2130U	1.40E-10	(1.2 1.7)	
2150U	1.34E-10	(1.2 .8)		2155U	1.32E-10	(1.2 .2)	
2175U	1.26E-10	(1.1 7.4)		2180U	1.31E-10	(1.1 6.4)	
2200E	1.53E-10	(1.0 4.4)		2205E	1.51E-10	(.9 3.8)	
2225E	1.50E-10	(.9 3.6)		2230E	1.52E-10	(.9 1.6)	
2250E	1.45E-10	(.9 .3)		2255E	1.46E-10	(.8 1.6)	
2275E	1.39E-10	(.8 4.0)		2280E	1.40E-10	(.8 4.4)	
2300E	1.45E-10	(.8 2.2)		2305E	1.42E-10	(.8 2.7)	
2330E	1.45E-10	(.8 2.2)		2310E	1.39E-10	(.8 1.6)	
2350E	1.06E-10	(.9 10.5)		2370E	9.44E-11	(.9 4.7)	
2400E	9.53E-11	(.8 4.3)		2420E	1.02E-10	(.8 5.0)	
2450E	1.15E-10	(.6 4.4)		2470E	1.20E-10	(.6 2.3)	
2500E	1.24E-10	(.5 1.4)		2520E	1.16E-10	(.5 2.7)	
2550E	1.21E-10	(.5 .3)		2570E	1.33E-10	(.4 .6)	
2600E	1.42E-10	(.3 .4)		2620E	1.53E-10	(.3 1.2)	
2650E	1.72E-10	(.2 1.2)		2670E	1.95E-10	(.2 1.2)	
135,	0.00(0.0 0.0)			139,	0.00(0.0 0.0)		
166,	0.00(0.0 0.0)			172,	0.00(0.0 0.0)		
219,	3.52(1.0 3.1)			245E	3.74(.6 6.8)		
X,Y(MM) 9.1-12.5 SL3- 78				24 SCANS, T= 225: BET CAS			
X,Y(MM) 9.1-12.5 SL3- 79				19 SCANS, T= 77: BET CAS			
				WT 1.0, SCALE .93			
				WT 1.0, SCALE 1.08			

0.66

HD 593

HD 593

HD 593

LAMBDA	F	( WT, SIG)	F - AVE FLUX	FROM LAM-DEL/2	TO LAM+DEL/2									
1780	6.16E-11	(.5 0.0)	1782	6.92E-11	(.6 0.0)	1784	7.27E-11	(.7 0.0)	1786	7.03E-11	(.7 0.0)	1788	6.62E-11	(.6 0.0)
1790	6.22E-11	(.6 0.0)	1792	5.97E-11	(.6 0.0)	1794	5.77E-11	(.6 0.0)	1796	5.74E-11	(.6 0.0)	1798	5.99E-11	(.6 0.0)
1800	6.40E-11	(.7 0.0)	1802	6.46E-11	(.7 0.0)	1804	6.15E-11	(.7 0.0)	1806	5.71E-11	(.6 0.0)	1808	5.48E-11	(.6 0.0)
1810	5.56E-11	(.6 0.0)	1812	5.75E-11	(.7 0.0)	1814	5.89E-11	(.7 0.0)	1816	6.39E-11	(.8 0.0)	1818	7.12E-11	(1.0 0.0)
1820	7.23E-11	(1.0 0.0)	1822	6.40E-11	(.8 0.0)	1824	5.72E-11	(.7 0.0)	1826	5.44E-11	(.7 0.0)	1828	0.0	(0.0 0.0)
1800	6.31E-11	(.6 0.0)	1805	5.94E-11	(.6 0.0)	1810	5.59E-11	(.7 0.0)	1815	6.18E-11	(.7 0.0)	1820	7.00E-11	(1.0 0.0)
1825	5.62E-11	(.8 0.0)	1830	5.62E-11	(.8 0.0)	1835	6.04E-11	(.8 0.0)	1840	5.65E-11	(.7 0.0)	1845	5.23E-11	(.7 0.0)
1850	4.82E-11	(.7 0.0)	1855	5.36E-11	(.8 0.0)	1860	6.06E-11	(1.0 2.9)	1865	6.05E-11	(1.0 6.7)	1870	5.64E-11	(1.0 9.2)
1875	6.25E-11	(1.1 8.7)	1880	6.52E-11	(1.1 4.9)	1885	5.89E-11	(1.1 .2)	1890	5.66E-11	(1.1 1.0)	1895	5.43E-11	(1.1 3.2)
1900	5.02E-11	(1.0 10.3)	1905	5.18E-11	(1.0 9.8)	1910	5.20E-11	(1.1 4.6)	1915	4.89E-11	(1.0 1.9)	1920	4.19E-11	(.9 .9)
1925	4.38E-11	(.9 10.4)	1930	4.92E-11	(1.1 10.9)	1935	5.07E-11	(1.2 10.9)	1940	4.73E-11	(1.2 6.0)	1945	4.36E-11	(1.1 4.0)
1950	4.37E-11	(1.1 12.4)	1955	4.28E-11	(1.1 10.1)	1960	4.19E-11	(1.1 12.1)	1965	4.27E-11	(1.2 18.4)	1970	4.34E-11	(1.3 23.0)
1975	4.41E-11	(1.1 15.5)	1980	4.09E-11	(1.3 13.0)	1985	3.62E-11	(1.1 6.8)	1990	3.33E-11	(1.0 2.2)	1995	3.09E-11	(1.0 7.3)
2000	3.44E-11	(1.1 12.4)	2005	3.61E-11	(1.3 2.4)	2010	3.53E-11	(1.2 1.6)	2015	3.47E-11	(1.2 5.0)	2020	3.44E-11	(1.2 9.5)
2025	3.53E-11	(1.2 1.9)	2030	3.37E-11	(1.1 7.8)	2035	3.21E-11	(1.1 17.9)	2040	3.19E-11	(1.1 15.1)	2045	3.27E-11	(1.1 12.7)
2050	3.28E-11	(1.1 7.7)	2055	3.98E-11	(1.1 7.1)	2060	3.22E-11	(1.1 13.3)	2065	2.96E-11	(1.1 10.8)	2070	2.87E-11	(1.2 3.5)
2075	2.93E-11	(1.2 3.9)	2080	2.97E-11	(1.2 12.5)	2085	3.00E-11	(1.2 15.3)	2090	2.83E-11	(1.3 6.8)	2095	2.78E-11	(1.4 8.6)
2100	2.83E-11	(1.5 14.2)	2105	2.78E-11	(1.5 8.4)	2110	2.69E-11	(1.5 6.4)	2115	2.71E-11	(1.5 10.5)	2120	2.65E-11	(1.4 4.2)
2125	2.60E-11	(1.4 6.9)	2130	2.59E-11	(1.3 10.6)	2135	2.51E-11	(1.4 4.0)	2140	2.50E-11	(1.4 3.6)	2145	2.44E-11	(1.4 3.5)
2150	2.38E-11	(1.4 14.1)	2155	2.42E-11	(1.3 12.9)	2160	2.44E-11	(1.4 5.8)	2165	2.35E-11	(1.4 6.0)	2170	2.31E-11	(1.3 12.9)
2175	2.43E-11	(1.4 13.9)	2180	2.56E-11	(1.4 6.6)	2185	2.50E-11	(1.5 1.6)	2190	2.34E-11	(1.5 2.4)	2195	2.19E-11	(1.4 8.5)
2200	2.12E-11	(1.2 16.7)	2205	2.15E-11	(1.1 19.7)	2210	2.14E-11	(1.1 20.8)	2215	2.14E-11	(1.1 19.3)	2220	2.19E-11	(1.2 16.2)
2225	2.23E-11	(1.2 15.9)	2230	2.17E-11	(1.2 19.3)	2235	2.17E-11	(1.2 19.7)	2240	2.18E-11	(1.2 20.5)	2245	2.20E-11	(1.4 19.3)
2250	2.28E-11	(1.6 13.2)	2255	2.32E-11	(1.7 8.3)	2260	2.31E-11	(1.7 6.8)	2265	2.31E-11	(1.7 5.3)	2270	2.38E-11	(1.8 2.7)
2275	2.43E-11	(1.9 .3)	2280	2.46E-11	(2.0 1.7)	2285	2.48E-11	(2.0 1.3)	2290	2.47E-11	(2.0 .6)	2295	2.47E-11	(2.0 1.1)
2300	2.43E-11	(2.0 1.1)	2305	2.44E-11	(2.0 1.1)	2310	2.50E-11	(2.0 .8)	2315	2.57E-11	(2.0 1.4)	2320	0.0	(0.0 0.0)
2300	2.43E-11	(2.0 1.0)	2310	2.50E-11	(2.0 .5)	2320	2.67E-11	(1.9 3.9)	2330	2.86E-11	(1.9 5.6)	2340	2.72E-11	(1.9 2.5)
2350	2.62E-11	(1.9 3.6)	2360	2.81E-11	(1.9 6.5)	2370	2.96E-11	(1.9 8.0)	2380	3.10E-11	(1.9 11.5)	2390	3.21E-11	(1.8 10.0)
2400	3.27E-11	(1.8 5.0)	2410	3.30E-11	(1.8 1.3)	2420	3.30E-11	(1.8 1.1)	2430	3.38E-11	(1.8 .7)	2440	3.54E-11	(1.7 1.0)
2450	3.63E-11	(1.7 1.3)	2460	3.75E-11	(1.7 .3)	2470	3.82E-11	(1.7 3.6)	2480	3.80E-11	(1.7 3.9)	2490	3.82E-11	(1.7 2.7)
2500	3.95E-11	(1.6 4.8)	2510	4.10E-11	(1.6 5.7)	2520	4.26E-11	(1.6 4.6)	2530	4.42E-11	(1.5 4.3)	2540	4.48E-11	(1.5 4.2)
2550	4.43E-11	(1.5 1.9)	2560	4.45E-11	(1.5 1.0)	2570	4.49E-11	(1.5 2.8)	2580	4.63E-11	(1.5 4.5)	2590	4.79E-11	(1.4 7.7)
2600	4.87E-11	(1.4 9.0)	2610	4.85E-11	(1.4 5.5)	2620	4.75E-11	(1.4 1.4)	2630	4.68E-11	(1.4 .9)	2640	4.65E-11	(1.4 .1)
2650	4.70E-11	(1.4 .2)	2660	4.79E-11	(1.4 2.0)	2670	4.93E-11	(1.3 2.5)	2680	5.05E-11	(1.3 .2)	2690	5.09E-11	(1.3 1.5)
2700	5.09E-11	(1.3 1.7)	2710	5.17E-11	(1.3 1.4)	2720	5.23E-11	(1.3 2.7)	2730	5.20E-11	(1.2 4.1)	2740	5.12E-11	(1.2 4.4)
2750	5.04E-11	(1.2 4.7)	2760	5.10E-11	(1.2 2.8)	2770	5.27E-11	(1.2 .9)	2780	5.43E-11	(1.2 4.8)	2790	5.50E-11	(1.1 6.4)
2800	5.47E-11	(1.1 5.7)	2810	5.41E-11	(1.1 3.8)	2820	5.30E-11	(1.1 1.3)	2830	5.26E-11	(1.1 .7)	2840	5.26E-11	(1.1 2.6)
2850	5.31E-11	(1.1 6.4)	2860	5.35E-11	(1.1 8.0)	2870	5.33E-11	(1.1 6.8)	2880	5.28E-11	(1.1 3.9)	2890	5.28E-11	(1.1 2.2)
2900	5.35E-11	(1.1 2.4)	2910	5.42E-11	(1.1 3.1)	2920	5.49E-11	(1.0 4.6)	2930	5.47E-11	(1.0 5.1)	2940	5.45E-11	(1.0 4.6)
2950	5.51E-11	(1.0 3.3)	2960	5.64E-11	(1.0 1.6)	2970E	5.73E-11	(1.0 .1)	2980E	5.73E-11	(1.0 .6)	2990E	5.64E-11	(1.0 1.5)
3000E	5.50E-11	(1.0 1.8)	3010	5.42E-11	(1.0 1.5)	3020E	5.41E-11	(1.0 .1)	3030E	5.45E-11	(1.0 2.1)	3040E	0.0	(0.0 0.0)
3000E	5.50E-11	(1.0 1.6)	3020E	5.42E-11	(1.0 .1)	3040E	5.59E-11	(.9 3.0)	3060E	5.83E-11	(.9 4.7)	3080E	5.81E-11	(.9 4.0)
3100E	5.65E-11	(.9 2.7)	3120E	5.69E-11	(.9 1.7)	3140E	5.74E-11	(.9 .4)	3160E	5.77E-11	(.8 1.1)	3180E	5.90E-11	(.8 2.6)
3200E	5.97E-11	(.8 2.2)	3220E	5.95E-11	(.8 4.8)	3240E	5.99E-11	(.8 3.8)	3260E	6.10E-11	(.8 .6)	3280E	6.10E-11	(.8 2.5)
3300E	6.14E-11	(.7 2.0)	3320E	6.40E-11	(.7 .5)	3340E	6.76E-11	(.7 3.2)	3360E	6.88E-11	(.7 3.9)	3380E	6.88E-11	(.7 3.0)
3400E	6.98E-11	(.7 3.1)	3420E	7.03E-11	(.7 4.2)	3440E	6.71E-11	(.7 4.2)	3460E	6.16E-11	(.7 1.2)	3480E	5.68E-11	(.7 1.2)
3500E	5.44E-11	(.7 3.1)	3520E	5.36E-11	(.7 4.1)	3540E	5.33E-11	(.7 6.4)	3560E	5.27E-11	(.7 6.5)	3580E	5.22E-11	(.7 3.6)
3600E	5.12E-11	(.7 .5)	3620E	4.99E-11	(.7 2.3)	3640E	4.87E-11	(.7 2.3)	3660E	4.79E-11	(.7 1.1)	3680E	4.75E-11	(.7 .4)
3700E	4.69E-11	(.7 .7)	3720E	4.60E-11	(.7 .2)	3740E	4.47E-11	(.7 .9)	3760E	4.39E-11	(.6 .7)	3780E	4.30E-11	(.6 1.1)
3800E	4.24E-11	(.6 .9)	3820E	4.18E-11	(.6 .9)	3840E	4.08E-11	(.6 2.0)	3860E	4.02E-11	(.6 3.1)	3880E	3.98E-11	(.6 3.8)
3900E	3.95E-11	(.5 4.5)	3920E	3.99E-11	(.5 3.6)	3940E	4.05E-11	(.5 2.0)	3960E	4.14E-11	(.5 .3)	3980E	4.20E-11	(.5 1.9)
4000E	4.24E-11	(.4 3.2)	4020	4.28E-11	(.4 3.8)	4040	4.27E-11	(.4 3.2)	4060	4.31E-11	(.4 2.8)	4080	4.30E-11	(.4 1.5)
4100	4.33E-11	(.3 .4)	4120E	4.33E-11	(.3 0.0)	4140E	4.36E-11	(.3 0.0)	4160	0.0	(0.0 0.0)	4180	0.0	(0.0 0.0)
135	0.00(0.0 0.0)		139	0.00(0.0 0.0)		148	0.00(0.0 0.0)		154	0.00(0.0 0.0)		161	0.00(0.0 0.0)	
166	0.00(0.0 0.0)		172	0.00(0.0 0.0)		181	0.00(0.0 0.0)		192	4.66(1.1 8.6)		204	5.12(1.2 3.7)	
219	5.46(1.4 9.6)		245	4.98(1.7 1.2)		280	4.59(1.1 1.1)		360E	4.59(.7 .3)		0	0.00(0.0 0.0)	

X,Y(MM) 9.8 -17.8 SL3- 78 22 SCANS, T= 225: HD 593 WT 1.0, SCALE .97  
X,Y(MM) 9.8 -17.8 SL3- 79 20 SCANS, T= 77: HD 593 WT 1.0, SCALE 1.04

R = 0.98

LAMBDA	F	(WT, SIG)	F - AVE FLUX FROM LAM-DEL/2 TO LAM+DEL/2
1480	0.00E+00	(0.0 0.0)	1480U 3.37E-10(1.2 0.0)
1480	4.01E-10(1.3 0.0)		1480U 4.72E-10(1.4 0.0)
1490U	4.01E-10(1.3 0.0)		1490U 4.72E-10(1.4 0.0)
1500U	4.01E-10(1.3 0.0)		1500U 4.72E-10(1.4 0.0)
1510U	4.01E-10(1.3 0.0)		1510U 4.72E-10(1.4 0.0)
1520	3.60E-10(1.6 0.0)		1520 3.60E-10(1.6 0.0)
1530	2.93E-10(1.6 0.0)		1530 2.93E-10(1.6 0.0)
1540U	1.40E-10(1.2 0.0)		1540U 1.40E-10(1.2 0.0)
1550U	1.72E-10(1.4 0.0)		1550U 1.72E-10(1.4 0.0)
1560	2.54E-10(1.9 0.0)		1560 2.54E-10(1.9 0.0)
1570	1.88E-10(1.6 0.0)		1570 1.88E-10(1.6 0.0)
1580	2.10E-10(1.9 0.0)		1580 2.10E-10(1.9 0.0)
1590	2.25E-10(1.0 0.0)		1590 2.25E-10(1.0 0.0)
1600	2.27E-10(1.0 0.0)		1600 2.27E-10(1.0 0.0)
1610	1.78E-10(1.9 0.0)		1610 1.78E-10(1.9 0.0)
1620	1.57E-10(1.8 0.0)		1620 1.57E-10(1.8 0.0)
1630	1.82E-10(1.0 0.0)		1630 1.82E-10(1.0 0.0)
1640	2.08E-10(1.2 0.0)		1640 2.08E-10(1.2 0.0)
1650	2.11E-10(1.2 0.0)		1650 2.11E-10(1.2 0.0)
1660	2.09E-10(1.2 0.0)		1660 2.09E-10(1.2 0.0)
1670	1.95E-10(1.2 0.0)		1670 1.95E-10(1.2 0.0)
1680	2.08E-10(1.2 0.0)		1680 2.08E-10(1.2 0.0)
1690	2.36E-10(1.2 0.0)		1690 2.36E-10(1.2 0.0)
1700	2.11E-10(1.2 0.0)		1700 2.11E-10(1.2 0.0)
1710	2.16E-10(1.2 0.0)		1710 2.16E-10(1.2 0.0)
1720	1.87E-10(1.2 0.0)		1720 1.87E-10(1.2 0.0)
1730	1.97E-10(1.2 0.0)		1730 1.97E-10(1.2 0.0)
1740	2.17E-10(1.2 0.0)		1740 2.17E-10(1.2 0.0)
1750	2.26E-10(1.2 0.0)		1750 2.26E-10(1.2 0.0)
1760	2.09E-10(1.2 0.0)		1760 2.09E-10(1.2 0.0)
1770	2.04E-10(1.2 0.0)		1770 2.04E-10(1.2 0.0)
1780	2.11E-10(1.2 0.0)		1780 2.11E-10(1.2 0.0)
1790	2.06E-10(1.2 0.0)		1790 2.06E-10(1.2 0.0)
1800	2.02E-10(1.2 0.0)		1800 2.02E-10(1.2 0.0)
1810	2.10E-10(1.2 0.0)		1810 2.10E-10(1.2 0.0)
1820	2.17E-10(1.2 0.0)		1820 2.17E-10(1.2 0.0)
1800	2.02E-10(1.2 0.0)		1800 2.02E-10(1.2 0.0)
1825	2.11E-10(1.2 0.0)		1825 2.11E-10(1.2 0.0)
1850	2.01E-10(1.2 0.0)		1850 2.01E-10(1.2 0.0)
1875	2.01E-10(1.2 0.0)		1875 2.01E-10(1.2 0.0)
1900	2.04E-10(1.2 0.0)		1900 2.04E-10(1.2 0.0)
1925	1.92E-10(1.2 0.0)		1925 1.92E-10(1.2 0.0)
1950	1.81E-10(1.2 0.0)		1950 1.81E-10(1.2 0.0)
1975	1.82E-10(1.1 0.0)		1975 1.82E-10(1.1 0.0)
2000	1.74E-10(1.1 0.0)		2000 1.74E-10(1.1 0.0)
2025	1.67E-10(1.1 0.0)		2025 1.67E-10(1.1 0.0)
2050	1.57E-10(1.0 0.0)		2050 1.57E-10(1.0 0.0)
2075	1.56E-10(1.0 0.0)		2075 1.56E-10(1.0 0.0)
2100	1.44E-10(1.0 0.0)		2100 1.44E-10(1.0 0.0)
2125	1.49E-10(1.0 0.0)		2125 1.49E-10(1.0 0.0)
2150	1.43E-10(1.0 0.0)		2150 1.43E-10(1.0 0.0)
2175	1.35E-10(1.0 0.0)		2175 1.35E-10(1.0 0.0)
2200	1.38E-10(1.0 0.0)		2200 1.38E-10(1.0 0.0)
2225	1.29E-10(1.0 0.0)		2225 1.29E-10(1.0 0.0)
2250	1.24E-10(1.0 0.0)		2250 1.24E-10(1.0 0.0)
2275	1.18E-10(1.0 0.0)		2275 1.18E-10(1.0 0.0)
2300	1.20E-10(1.0 0.0)		2300 1.20E-10(1.0 0.0)
2300	1.14E-10(1.0 0.0)		2300 1.14E-10(1.0 0.0)
2350	1.27E-10(1.0 0.0)		2350 1.27E-10(1.0 0.0)
2400	1.13E-10(1.0 0.0)		2400 1.13E-10(1.0 0.0)
2450	1.06E-10(1.0 0.0)		2450 1.06E-10(1.0 0.0)
2500E	9.86E-11(1.0 0.0)		2500E 9.86E-11(1.0 0.0)
2550E	9.84E-11(1.0 0.0)		2550E 9.84E-11(1.0 0.0)
2600E	8.26E-11(1.0 0.0)		2600E 8.26E-11(1.0 0.0)
2650E	8.53E-11(1.0 0.0)		2650E 8.53E-11(1.0 0.0)
2700E	8.78E-11(1.0 0.0)		2700E 8.78E-11(1.0 0.0)
2750E	7.97E-11(1.0 0.0)		2750E 7.97E-11(1.0 0.0)
2800E	7.60E-11(1.0 0.0)		2800E 7.60E-11(1.0 0.0)
2850E	7.33E-11(1.0 0.0)		2850E 7.33E-11(1.0 0.0)
2900E	6.83E-11(1.0 0.0)		2900E 6.83E-11(1.0 0.0)
2950E	6.29E-11(1.0 0.0)		2950E 6.29E-11(1.0 0.0)
3000E	5.57E-11(1.0 0.0)		3000E 5.57E-11(1.0 0.0)
3000E	5.51E-11(1.0 0.0)		3000E 5.51E-11(1.0 0.0)
3100E	5.59E-11(1.0 0.0)		3100E 5.59E-11(1.0 0.0)
3200E	4.95E-11(1.0 0.0)		3200E 4.95E-11(1.0 0.0)
3300E	4.84E-11(1.0 0.0)		3300E 4.84E-11(1.0 0.0)
3400E	4.39E-11(1.0 0.0)		3400E 4.39E-11(1.0 0.0)
3500	3.36E-11(1.0 0.0)		3500 3.36E-11(1.0 0.0)
3600	3.16E-11(1.0 0.0)		3600 3.16E-11(1.0 0.0)
3700	2.73E-11(1.0 0.0)		3700 2.73E-11(1.0 0.0)
3800	2.38E-11(1.0 0.0)		3800 2.38E-11(1.0 0.0)
3900	2.22E-11(1.0 0.0)		3900 2.22E-11(1.0 0.0)
4000	2.13E-11(1.0 0.0)		4000 2.13E-11(1.0 0.0)
4100	2.02E-11(1.0 0.0)		4100 2.02E-11(1.0 0.0)
135	0.00(0.0 0.0)		135 0.00(0.0 0.0)
166	3.10(1.2 0.0)		166 3.10(1.2 0.0)
219	3.59(1.8 0.0)		219 3.59(1.8 0.0)
139	0.00(0.0 0.0)		139 0.00(0.0 0.0)
172	3.10(1.2 0.0)		172 3.10(1.2 0.0)
245	3.83(1.6 0.0)		245 3.83(1.6 0.0)
148	0.00(0.0 0.0)		148 0.00(0.0 0.0)
181	3.10(1.2 0.0)		181 3.10(1.2 0.0)
280E	4.24(1.5 0.0)		280E 4.24(1.5 0.0)
148U	4.18E-10(1.2 0.0)		148U 4.18E-10(1.2 0.0)
149U	4.74E-10(1.4 0.0)		149U 4.74E-10(1.4 0.0)
150U	3.75E-10(1.4 0.0)		150U 3.75E-10(1.4 0.0)
151U	2.78E-10(1.5 0.0)		151U 2.78E-10(1.5 0.0)
152U	3.63E-10(1.8 0.0)		152U 3.63E-10(1.8 0.0)
153U	2.16E-10(1.4 0.0)		153U 2.16E-10(1.4 0.0)
154U	8.66E-11(1.1 0.0)		154U 8.66E-11(1.1 0.0)
155U	2.54E-10(1.8 0.0)		155U 2.54E-10(1.8 0.0)
156U	2.17E-10(1.7 0.0)		156U 2.17E-10(1.7 0.0)
157U	2.02E-10(1.8 0.0)		157U 2.02E-10(1.8 0.0)
158U	2.53E-10(1.0 0.0)		158U 2.53E-10(1.0 0.0)
159U	2.40E-10(1.0 0.0)		159U 2.40E-10(1.0 0.0)
160U	1.98E-10(1.9 0.0)		160U 1.98E-10(1.9 0.0)
161U	1.45E-10(1.8 0.0)		161U 1.45E-10(1.8 0.0)
162U	1.69E-10(1.9 0.0)		162U 1.69E-10(1.9 0.0)
163U	2.01E-10(1.1 0.0)		163U 2.01E-10(1.1 0.0)
164U	2.00E-10(1.2 0.0)		164U 2.00E-10(1.2 0.0)
165U	2.21E-10(1.2 0.0)		165U 2.21E-10(1.2 0.0)
166U	2.02E-10(1.2 0.0)		166U 2.02E-10(1.2 0.0)
167U	2.02E-10(1.2 0.0)		167U 2.02E-10(1.2 0.0)
168U	2.18E-10(1.2 0.0)		168U 2.18E-10(1.2 0.0)
169U	2.20E-10(1.2 0.0)		169U 2.20E-10(1.2 0.0)
170U	2.12E-10(1.2 0.0)		170U 2.12E-10(1.2 0.0)
171U	2.12E-10(1.2 0.0)		171U 2.12E-10(1.2 0.0)
172U	1.88E-10(1.2 0.0)		172U 1.88E-10(1.2 0.0)
173U	2.12E-10(1.2 0.0)		173U 2.12E-10(1.2 0.0)
174U	2.22E-10(1.2 0.0)		174U 2.22E-10(1.2 0.0)
175U	2.18E-10(1.2 0.0)		175U 2.18E-10(1.2 0.0)
176U	1.99E-10(1.2 0.0)		176U 1.99E-10(1.2 0.0)
177U	2.09E-10(1.2 0.0)		177U 2.09E-10(1.2 0.0)
178U	2.10E-10(1.2 0.0)		178U 2.10E-10(1.2 0.0)
179U	1.98E-10(1.2 0.0)		179U 1.98E-10(1.2 0.0)
180U	2.10E-10(1.2 0.0)		180U 2.10E-10(1.2 0.0)
181U	2.12E-10(1.2 0.0)		181U 2.12E-10(1.2 0.0)
182U	2.11E-10(1.2 0.0)		182U 2.11E-10(1.2 0.0)
1815	2.10E-10(1.2 0.0)		1815 2.10E-10(1.2 0.0)
1840	2.17E-10(1.2 0.0)		1840 2.17E-10(1.2 0.0)
1870	1.97E-10(1.2 0.0)		1870 1.97E-10(1.2 0.0)
1890	2.07E-10(1.2 0.0)		1890 2.07E-10(1.2 0.0)
1915	2.09E-10(1.2 0.0)		1915 2.09E-10(1.2 0.0)
1940	1.84E-10(1.2 0.0)		1940 1.84E-10(1.2 0.0)
1965	1.94E-10(1.2 0.0)		1965 1.94E-10(1.2 0.0)
1990	1.84E-10(1.1 0.0)		1990 1.84E-10(1.1 0.0)
2015	1.65E-10(1.1 0.0)		2015 1.65E-10(1.1 0.0)
2040	1.68E-10(1.1 0.0)		2040 1.68E-10(1.1 0.0)
2065	1.54E-10(1.0 0.0)		2065 1.54E-10(1.0 0.0)
2090	1.49E-10(1.0 0.0)		2090 1.49E-10(1.0 0.0)
2115	1.47E-10(1.0 0.0)		2115 1.47E-10(1.0 0.0)
2140	1.38E-10(1.0 0.0)		2140 1.38E-10(1.0 0.0)
2165	1.45E-10(1.0 0.0)		2165 1.45E-10(1.0 0.0)
2190	1.34E-10(1.0 0.0)		2190 1.34E-10(1.0 0.0)
2215	1.27E-10(1.0 0.0)		2215 1.27E-10(1.0 0.0)
2240	1.24E-10(1.0 0.0)		2240 1.24E-10(1.0 0.0)
2265	1.24E-10(1.0 0.0)		2265 1.24E-10(1.0 0.0)
2290	1.20E-10(1.0 0.0)		2290 1.20E-10(1.0 0.0)
2315	1.23E-10(1.0 0.0)		2315 1.23E-10(1.0 0.0)
2330	1.23E-10(1.0 0.0)		2330 1.23E-10(1.0 0.0)
2380	1.10E-10(1.0 0.0)		2380 1.10E-10(1.0 0.0)
2430	1.12E-10(1.0 0.0)		2430 1.12E-10(1.0 0.0)
2480	1.06E-10(1.0 0.0)		2480 1.06E-10(1.0 0.0)
2530E	1.02E-10(1.0 0.0)		2530E 1.02E-10(1.0 0.0)
2580	8.60E-11(1.0 0.0)		2580 8.60E-11(1.0 0.0)
2630E	8.96E-11(1.0 0.0)		2630E 8.96E-11(1.0 0.0)
2680E	8.72E-11(1.0 0.0)		2680E 8.72E-11(1.0 0.0)
2730E	8.59E-11(1.0 0.0)		2730E 8.59E-11(1.0 0.0)
2780E	7.76E-11(1.0 0.0)		2780E 7.76E-11(1.0 0.0)
2830E	7.26E-11(1.0 0.0)		2830E 7.26E-11(1.0 0.0)
2880E	6.96E-11(1.0 0.0)		2880E 6.96E-11(1.0 0.0)
2930E	6.41E-11(1.0 0.0)		2930E 6.41E-11(1.0 0.0)
2980E	5.93E-11(1.0 0.0)		2980E 5.93E-11(1.0 0.0)
3030E	5.17E-11(1.0 0.0)		3030E 5.17E-11(1.0 0.0)
3060E	5.15E-11(1.0 0.0)		3060E 5.15E-11(1.0 0.0)
3160E	5.20E-11(1.0 0.0)		3160E 5.20E-11(1.0 0.0)
3260E	5.04E-11(1.0 0.0)		3260E 5.04E-11(1.0 0.0)
3360E	4.82E-11(1.0 0.0)		3360E 4.82E-11(1.0 0.0)
3460E	3.73E-11(1.0 0.0)		3460E 3.73E-11(1.0 0.0)
3560	3.32E-11(1.0 0.0)		3560 3.32E-11(1.0 0.0)
3660	2.95E-11(1.0 0.0)		3660 2.95E-11(1.0 0.0)
3760	2.54E-11(1.0 0.0)		3760 2.54E-11(1.0 0.0)
3860	2.21E-11(1.0 0.0)		3860 2.21E-11(1.0 0.0)
3960	2.16E-11(1.0 0.0)		3960 2.16E-11(1.0 0.0)
4060	2.11E-11(1.0 0.0)		4060 2.11E-11(1.0 0.0)
4160	1.89E-11(1.0 0.0)		4160 1.89E-11(1.0 0.0)
161	3.18(1.9 0.0)		161 3.18(1.9 0.0)
204	3.38(1.0 0.0)		204 3.38(1.0 0.0)
0	0.00(0.0 0.0)		0 0.00(0.0 0.0)

X,Y(NM) -13.6 -1.6 SL3-128 15 SCANS, T= 225: AO CAS WT 1.2, SCALE 1.00

R = 0.89



**.R = 0.65**

HD 2772

LAM CAS

HD 2772

LAMBDA, F (WT, SIG)	F = AVE FLUX FROM LAM-DEL/2 TO LAM+DEL/2		
1560U 2.07E-10(.2 0.0)	1562U 1.92E-10(.3 0.0)	1564U 2.02E-10(.3 0.0)	1566U 1.84E-10(.2 0.0)
1570U 1.56E-10(.2 0.0)	1572U 1.83E-10(.3 0.0)	1574U 2.02E-10(.3 0.0)	1576U 1.93E-10(.3 0.0)
1580U 1.79E-10(.3 0.0)	1582U 1.71E-10(.3 0.0)	1584U 1.54E-10(.3 0.0)	1586U 1.79E-10(.4 0.0)
1590U 1.98E-10(.5 0.0)	1592, 2.20E-10(.5 0.0)	1594, 2.26E-10(.6 0.0)	1596, 2.12E-10(.6 0.0)
1600, 1.97E-10(.5 0.0)	1602U 1.74E-10(.4 0.0)	1604U 1.34E-10(.4 0.0)	1606U 1.49E-10(.4 0.0)
1610, 1.81E-10(.5 0.0)	1612U 1.54E-10(.5 0.0)	1614U 1.60E-10(.5 0.0)	1616, 2.00E-10(.7 0.0)
1620, 2.21E-10(.8 0.0)	1622, 2.08E-10(.8 0.0)	1624, 1.95E-10(.7 0.0)	1626, 1.75E-10(.6 0.0)
1630U 1.39E-10(.5 0.0)	1632, 1.63E-10(.5 0.0)	1634, 1.57E-10(.6 0.0)	1636, 1.63E-10(.6 0.0)
1640, 1.76E-10(.7 0.0)	1642, 1.68E-10(.7 0.0)	1644, 1.80E-10(.7 0.0)	1646, 1.89E-10(.8 0.0)
1650, 1.84E-10(.9 0.0)	1652, 1.93E-10(.9 0.0)	1654, 2.03E-10(.10 0.0)	1656, 1.99E-10(.10 0.0)
1660, 1.93E-10(.9 0.0)	1662, 1.86E-10(.9 0.0)	1664, 1.82E-10(.9 0.0)	1666, 1.91E-10(.10 0.0)
1670, 1.83E-10(.10 0.0)	1672, 1.84E-10(.10 0.0)	1674, 2.03E-10(.10 0.0)	1676, 2.05E-10(.10 0.0)
1680, 1.90E-10(.10 0.0)	1682, 1.86E-10(.10 0.0)	1684, 1.85E-10(.10 0.0)	1686, 1.92E-10(.10 0.0)
1690, 1.91E-10(.10 0.0)	1692, 1.91E-10(.10 0.0)	1694, 1.85E-10(.10 0.0)	1696, 1.72E-10(.10 0.0)
1700, 1.90E-10(.10 0.0)	1702, 2.15E-10(.10 0.0)	1704, 2.18E-10(.10 0.0)	1706, 2.11E-10(.10 0.0)
1710, 1.89E-10(.10 0.0)	1712, 1.85E-10(.10 0.0)	1714, 1.87E-10(.10 0.0)	1716, 1.81E-10(.10 0.0)
1720, 1.54E-10(.10 0.0)	1722, 1.60E-10(.10 0.0)	1724, 1.68E-10(.10 0.0)	1726, 1.69E-10(.10 0.0)
1730, 1.89E-10(.10 0.0)	1732, 1.95E-10(.10 0.0)	1734, 1.93E-10(.10 0.0)	1736, 1.84E-10(.10 0.0)
1740, 1.76E-10(.10 0.0)	1742, 1.74E-10(.10 0.0)	1744, 1.76E-10(.10 0.0)	1746, 1.78E-10(.10 0.0)
1750, 1.79E-10(.10 0.0)	1752, 1.86E-10(.10 0.0)	1754, 1.92E-10(.10 0.0)	1756, 1.93E-10(.10 0.0)
1760, 1.94E-10(.10 0.0)	1762, 1.99E-10(.10 0.0)	1764, 2.05E-10(.10 0.0)	1766, 2.07E-10(.10 0.0)
1770, 2.04E-10(.10 0.0)	1772, 2.04E-10(.10 0.0)	1774, 2.00E-10(.10 0.0)	1776, 1.91E-10(.10 0.0)
1780, 1.81E-10(.10 0.0)	1782, 1.86E-10(.10 0.0)	1784, 1.89E-10(.10 0.0)	1786, 1.87E-10(.10 0.0)
1790, 1.77E-10(.10 0.0)	1792, 1.80E-10(.10 0.0)	1794, 1.85E-10(.10 0.0)	1796, 1.89E-10(.9 0.0)
1800, 1.78E-10(.9 0.0)	1802, 1.75E-10(.9 0.0)	1804, 1.86E-10(.9 0.0)	1806, 2.05E-10(.9 0.0)
1810, 2.12E-10(.9 0.0)	1812, 2.04E-10(.9 0.0)	1814, 1.97E-10(.9 0.0)	1816, 1.95E-10(.9 0.0)
1820, 1.95E-10(.9 0.0)	1822, 1.97E-10(.9 0.0)	1824, 2.04E-10(.9 0.0)	1826, 2.15E-10(.9 0.0)
1800, 1.79E-10(.9 0.0)	1805, 1.95E-10(.9 0.0)	1810, 2.11E-10(.9 0.0)	1815, 1.96E-10(.9 0.0)
1825, 2.09E-10(.9 0.0)	1830, 2.15E-10(.9 0.0)	1835, 2.10E-10(.9 0.0)	1840, 2.16E-10(.9 0.0)
1850, 2.30E-10(.8 0.0)	1855, 2.22E-10(.8 0.0)	1860, 2.05E-10(.8 0.0)	1865, 2.16E-10(.8 0.0)
1875, 1.93E-10(.8 0.0)	1880, 2.03E-10(.8 0.0)	1885, 2.08E-10(.8 0.0)	1890, 2.09E-10(.8 0.0)
1900, 2.17E-10(.8 0.0)	1905, 2.13E-10(.8 0.0)	1910, 2.09E-10(.8 0.0)	1915, 2.03E-10(.8 0.0)
1925, 2.02E-10(.8 0.0)	1930, 2.00E-10(.8 0.0)	1935, 2.03E-10(.8 0.0)	1940, 2.02E-10(.8 0.0)
1950, 1.83E-10(.8 0.0)	1955, 1.88E-10(.8 0.0)	1960, 1.80E-10(.8 0.0)	1965, 1.77E-10(.8 0.0)
1975, 1.78E-10(.8 0.0)	1980, 1.72E-10(.8 0.0)	1985, 1.77E-10(.8 0.0)	1990, 1.84E-10(.8 0.0)
2000, 1.79E-10(.7 0.0)	2005, 1.84E-10(.7 0.0)	2010, 1.89E-10(.7 0.0)	2015, 1.80E-10(.7 0.0)
2025, 1.85E-10(.7 0.0)	2030, 1.76E-10(.7 0.0)	2035, 1.67E-10(.7 0.0)	2040, 1.69E-10(.7 0.0)
2050, 1.84E-10(.7 0.0)	2055, 1.81E-10(.7 0.0)	2060, 1.77E-10(.6 0.0)	2065, 1.78E-10(.6 0.0)
2075, 1.73E-10(.6 0.0)	2080, 1.75E-10(.6 0.0)	2085, 1.78E-10(.6 0.0)	2090, 1.82E-10(.6 0.0)
2100, 1.98E-10(.6 0.0)	2105, 2.00E-10(.6 0.0)	2110, 1.96E-10(.6 0.0)	2115, 1.95E-10(.6 0.0)
2125, 1.82E-10(.5 0.0)	2130, 1.83E-10(.5 0.0)	2135, 1.90E-10(.5 0.0)	2140, 1.95E-10(.5 0.0)
2150, 2.01E-10(.5 0.0)	2155, 1.95E-10(.5 0.0)	2160, 1.85E-10(.5 0.0)	2165, 1.78E-10(.5 0.0)
2175, 1.76E-10(.5 0.0)	2180, 1.75E-10(.5 0.0)	2185, 1.77E-10(.5 0.0)	2190, 1.77E-10(.5 0.0)
2200, 1.69E-10(.5 0.0)	2205, 1.65E-10(.5 0.0)	2210, 1.64E-10(.5 0.0)	2215, 1.66E-10(.5 0.0)
2225E 1.73E-10(.5 0.0)	2230E 1.82E-10(.5 0.0)	2235E 1.88E-10(.5 0.0)	2240E 1.83E-10(.5 0.0)
2250E 1.67E-10(.5 0.0)	2255E 1.64E-10(.5 0.0)	2260E 1.63E-10(.5 0.0)	2265E 1.61E-10(.5 0.0)
2275E 1.60E-10(.5 0.0)	2280E 1.58E-10(.5 0.0)	2285E 1.56E-10(.5 0.0)	2290E 1.56E-10(.5 0.0)
2300E 1.58E-10(.4 0.0)	2305E 1.59E-10(.4 0.0)	2310E 1.58E-10(.4 0.0)	2315E 1.56E-10(.4 0.0)
2300E 1.58E-10(.4 0.0)	2310E 1.58E-10(.4 0.0)	2320E 1.55E-10(.4 0.0)	2330E 1.50E-10(.4 0.0)
2350E 1.30E-10(.5 0.0)	2360E 1.29E-10(.5 0.0)	2370E 1.26E-10(.4 0.0)	2380E 1.29E-10(.4 0.0)
2400E 1.32E-10(.4 0.0)	2410E 1.30E-10(.4 0.0)	2420E 1.26E-10(.4 0.0)	2430E 1.23E-10(.4 0.0)
2450E 1.39E-10(.4 0.0)	2460E 1.41E-10(.4 0.0)	2470E 1.38E-10(.4 0.0)	2480E 1.31E-10(.4 0.0)
2500E 1.22E-10(.4 0.0)	2510E 1.26E-10(.4 0.0)	2520E 1.29E-10(.4 0.0)	2530E 1.30E-10(.4 0.0)
2550E 1.42E-10(.3 0.0)	2560E 1.47E-10(.3 0.0)	2570E 1.46E-10(.3 0.0)	2580E 1.34E-10(.3 0.0)
2600E 1.13E-10(.4 0.0)	2610E 1.08E-10(.4 0.0)	2620E 1.10E-10(.4 0.0)	2630E 1.19E-10(.3 0.0)
2650E 1.30E-10(.3 0.0)	2660E 1.32E-10(.3 0.0)	2670E 1.31E-10(.3 0.0)	2680E 1.26E-10(.3 0.0)
2700E 1.14E-10(.3 0.0)	2710E 1.12E-10(.3 0.0)	2720E 1.13E-10(.3 0.0)	2730E 1.16E-10(.3 0.0)
2750E 1.19E-10(.3 0.0)	2760E 1.19E-10(.3 0.0)	2770E 1.19E-10(.3 0.0)	2780E 1.16E-10(.3 0.0)
2800E 1.09E-10(.3 0.0)	2810E 1.09E-10(.3 0.0)	2820E 1.10E-10(.3 0.0)	2830E 1.13E-10(.3 0.0)
2850E 1.14E-10(.3 0.0)	2860E 1.11E-10(.3 0.0)	2870E 1.07E-10(.3 0.0)	2880E 1.03E-10(.3 0.0)
2900E 9.74E-11(.3 0.0)	2910E 9.71E-11(.3 0.0)	2920E 9.74E-11(.3 0.0)	2930E 9.94E-11(.3 0.0)
2950E 1.07E-10(.2 0.0)	2960E 1.09E-10(.2 0.0)	2970E 1.10E-10(.2 0.0)	2980E 1.09E-10(.2 0.0)
3000E 1.03E-10(.2 0.0)	3010E 9.73E-11(.2 0.0)	3020E 9.13E-11(.3 0.0)	3030E 8.63E-11(.3 0.0)
3000E 1.03E-10(.3 0.0)	3020E 9.14E-11(.3 0.0)	3040E 8.38E-11(.3 0.0)	3060E 8.46E-11(.3 0.0)
3100E 9.35E-11(.2 0.0)	3120E 9.27E-11(.2 0.0)	3140E 8.98E-11(.2 0.0)	3160E 8.59E-11(.2 0.0)
3200E 8.60E-11(.2 0.0)	3220E 8.83E-11(.2 0.0)	3240E 9.08E-11(.2 0.0)	3260E 9.40E-11(.2 0.0)
3300E 9.16E-11(.2 0.0)	3320E 8.63E-11(.2 0.0)	3340E 8.45E-11(.2 0.0)	3360E 8.58E-11(.2 0.0)
3400E 9.08E-11(.2 0.0)	3420E 9.33E-11(.2 0.0)	3440E 9.34E-11(.2 0.0)	3460E 9.14E-11(.2 0.0)
3500E 9.18E-11(.2 0.0)	3520E 9.00E-11(.2 0.0)	3540E 8.59E-11(.2 0.0)	3560E 8.32E-11(.2 0.0)
3600E 8.10E-11(.2 0.0)	3620E 7.77E-11(.2 0.0)	3640E 7.29E-11(.2 0.0)	3660E 6.80E-11(.2 0.0)
3700E 6.37E-11(.2 0.0)	3720E 6.62E-11(.2 0.0)	3740E 7.08E-11(.2 0.0)	3760E 7.60E-11(.2 0.0)
3800E 8.56E-11(.2 0.0)	3820E 9.08E-11(.2 0.0)	3840E 9.65E-11(.2 0.0)	3860E 1.03E-10(.1 0.0)
3900E 1.16E-10(.1 0.0)	3920E 1.22E-10(.1 0.0)	3940E 1.28E-10(.1 0.0)	3960E 1.33E-10(.1 0.0)
4000E 1.40E-10(.1 0.0)	4020E 1.41E-10(.1 0.0)	4040E 1.41E-10(.1 0.0)	4060E 1.39E-10(.1 0.0)
4100E 1.37E-10(.2 0.0)	4120E 1.37E-10(.2 0.0)	4140E 1.38E-10(.2 0.0)	4160E 1.40E-10(.2 0.0)
135, 0.00(0.0 0.0)	139, 0.00(0.0 0.0)	148, 0.00(0.0 0.0)	154, 0.00(0.0 0.0)
166, 3.21(1.0 0.0)	172, 3.24(1.0 0.0)	181, 3.15(.9 0.0)	192, 3.15(.8 0.0)
219, 3.28(.5 0.0)	245E 3.60(.4 0.0)	280E 3.80(.3 0.0)	360E 3.98(.2 0.0)
1568U 1.61E-10(.2 0.0)	1570U 1.59E-10(.3 0.0)	1578U 1.91E-10(.4 0.0)	1588U 1.92E-10(.5 0.0)
1608, 1.87E-10(.4 0.0)	1618, 2.29E-10(.8 0.0)	1628U 1.42E-10(.5 0.0)	1638, 1.80E-10(.7 0.0)
1648, 1.90E-10(.8 0.0)	1658, 1.98E-10(.10 0.0)	1668, 1.94E-10(.10 0.0)	1678, 1.93E-10(.10 0.0)
1688, 1.91E-10(.10 0.0)	1698, 1.66E-10(.10 0.0)	1708, 2.00E-10(.10 0.0)	1718, 1.65E-10(.10 0.0)
1728, 1.77E-10(.10 0.0)	1738, 1.79E-10(.10 0.0)	1748, 1.77E-10(.10 0.0)	1758, 1.93E-10(.10 0.0)
1768, 2.04E-10(.10 0.0)	1778, 1.83E-10(.10 0.0)	1788, 1.80E-10(.10 0.0)	1798, 1.87E-10(.9 0.0)
1808, 2.15E-10(.9 0.0)	1818, 1.95E-10(.9 0.0)	1828, 2.04E-10(.9 0.0)	1838, 2.14E-10(.8 0.0)
1848, 2.06E-10(.8 0.0)	1858, 2.15E-10(.8 0.0)	1868, 2.03E-10(.8 0.0)	1878, 2.06E-10(.8 0.0)
1888, 2.09E-10(.8 0.0)	1898, 2.03E-10(.8 0.0)	1908, 2.02E-10(.8 0.0)	1918, 1.99E-10(.8 0.0)
1928, 1.99E-10(.8 0.0)	1938, 2.02E-10(.8 0.0)	1948, 1.95E-10(.8 0.0)	1958, 1.92E-10(.8 0.0)
1968, 1.84E-10(.8 0.0)	1978, 1.84E-10(.8 0.0)	1988, 1.80E-10(.8 0.0)	1998, 1.80E-10(.7 0.0)
2008, 1.80E-10(.7 0.0)	2018, 1.80E-10(.7 0.0)	2028, 1.78E-10(.7 0.0)	2038, 1.76E-10(.6 0.0)
2048, 1.78E-10(.6 0.0)	2058, 1.78E-10(.6 0.0)	2068, 1.78E-10(.6 0.0)	2078, 1.91E-10(.6 0.0)
2088, 1.91E-10(.6 0.0)	2098, 1.91E-10(.6 0.0)	2108, 1.91E-10(.6 0.0)	2118, 1.91E-10(.6 0.0)
2128, 1.91E-10(.6 0.0)	2138, 1.91E-10(.6 0.0)	2148, 1.91E-10(.6 0.0)	2158, 1.91E-10(.6 0.0)
2168, 1.91E-10(.6 0.0)	2178, 1.91E-10(.6 0.0)	2188, 1.91E-10(.6 0.0)	2198, 1.91E-10(.6 0.0)
2208, 1.91E-10(.6 0.0)	2218, 1.91E-10(.6 0.0)	2228, 1.91E-10(.6 0.0)	2238, 1.91E-10(.6 0.0)
2248, 1.91E-10(.6 0.0)	2258, 1.91E-10(.6 0.0)	2268, 1.91E-10(.6 0.0)	2278, 1.91E-10(.6 0.0)
2288, 1.91E-10(.6 0.0)	2298, 1.91E-10(.6 0.0)	2308, 1.91E-10(.6 0.0)	2318, 1.91E-10(.6 0.0)
2328, 1.91E-10(.6 0.0)	2338, 1.91E-10(.6 0.0)	2348, 1.91E-10(.6 0.0)	2358, 1.91E-10(.6 0.0)
2368, 1.91E-10(.6 0.0)	2378, 1.91E-10(.6 0.0)	2388, 1.91E-10(.6 0.0)	2398, 1.91E-10(.6 0.0)
2408, 1.91E-10(.6 0.0)	2418, 1.91E-10(.6 0.0)	2428, 1.91E-10(.6 0.0)	2438, 1.91E-10(.6 0.0)
2448, 1.91E-10(.6 0.0)	2458, 1.91E-10(.6 0.0)	2468, 1.91E-10(.6 0.0)	2478, 1.91E-10(.6 0.0)
2488, 1.91E-10(.6 0.0)	2498, 1.91E-10(.6 0.0)	2508, 1.91E-10(.6 0.0)	2518, 1.91E-10(.6 0.0)
2528, 1.91E-10(.6 0.0)	2538, 1.91E-10(.6 0.0)	2548, 1.91E-10(.6 0.0)	2558, 1.91E-10(.6 0.0)
2568, 1.91E-10(.6 0.0)	2578, 1.91E-10(.6 0.0)	2588, 1.91E-10(.6 0.0)	2598, 1.91E-10(.6 0.0)
2608, 1.91E-10(.6 0.0)	2618, 1.91E-10(.6 0.0)	2628, 1.91E-10(.6 0.0)	2638, 1.91E-10(.6 0.0)
2648, 1.91E-10(.6 0.0)	2658, 1.91E-10(.6 0.0)	2668, 1.91E-10(.6 0.0)	2678, 1.91E-10(.6 0.0)
2688, 1.91E-10(.6 0.0)	2698, 1.91E-10(.6 0.0)	2708, 1.91E-10(.6 0.0)	2718, 1.91E-10(.6 0.0)
2728, 1.91E-10(.6 0.0)	2738, 1.91E-10(.6 0.0)	2748, 1.91E-10(.6 0.0)	2758, 1.91E-10(.6 0.0)
2768, 1.91E-10(.6 0.0)	2778, 1.91E-10(.6 0.0)	2788, 1.91E-10(.6 0.0)	2798, 1.91E-10(.6 0.0)
2808, 1.91E-10(.6 0.0)	2818, 1.91E-10(.6 0.0)	2828, 1.91E-10(.6 0.0)	2838, 1.91E-10(.6 0.0)
2848, 1.91E-10(.6 0.0)	2858, 1.91E-10(.6 0.0)	2868, 1.91E-10(.6 0.0)	2878, 1.91E-10(.6 0.0)
2888, 1.91E-10(.6 0.0)	2898, 1.91E-10(.6 0.0)	2908, 1.91E-10(.6 0.0)	2918, 1.91E-10(.6 0.0)
2928, 1.91E-10(.6 0.0)	2938, 1.91E-10(.6 0.0)	2948, 1.91E-10(.6 0.0)	2958, 1.91E-10(.6 0.0)
2968, 1.91E-10(.6 0.0)	2978, 1.91E-10(.6 0.0)	2988, 1.91E-10(.6 0.0)	2998, 1.91E-10(.6 0.0)
3008, 1.91E-10(.6 0.0)	3018, 1.91E-10(.6 0.0)	3028, 1.91E-10(.6 0.0)	3038, 1.91E-10(.6 0.0)
3048, 1.91E-10(.6 0.0)	3058, 1.91E-10(.6 0.0)	3068, 1.91E-10(.6 0.0)	30

$$R = 0.89$$





$$R = 0.60$$

P - 0 76

HD 4180

OMI CAS

HD 4180

LAMBDA, F (WT, SIG)	F = AVE FLUX FROM LAM-DEL/2 TO LAM+DEL/2		
1550, 0. (0.0 0.0)	1552, 0. (0.0 0.0)	1554, 0. (0.0 0.0)	1556, 2.68E-10( .5 0.0)
1560, 3.28E-10( .5 0.0)	1562, 3.08E-10( .5 0.0)	1564U, 2.84E-10( .6 0.0)	1566, 3.23E-10( .6 0.0)
1570, 3.59E-10( .7 0.0)	1572, 3.65E-10( .8 0.0)	1574, 3.62E-10( .9 0.0)	1576, 3.87E-10( .9 0.0)
1580, 4.20E-10(1.0 0.0)	1582, 3.99E-10(1.0 0.0)	1584, 3.50E-10(1.0 0.0)	1586, 3.87E-10(1.0 0.0)
1590, 4.72E-10(1.0 0.0)	1592, 4.72E-10(1.0 0.0)	1594, 4.61E-10(1.0 0.0)	1596, 4.33E-10(1.0 0.0)
1600, 4.64E-10(1.0 0.0)	1602, 4.79E-10(1.0 0.0)	1604, 4.76E-10(1.0 0.0)	1606, 4.58E-10(1.0 0.0)
1610, 3.86E-10(1.0 0.0)	1612, 3.81E-10(1.0 0.0)	1614, 4.01E-10(1.0 0.0)	1616, 4.18E-10(1.0 0.0)
1620, 4.64E-10(1.0 0.0)	1622, 4.58E-10(1.0 0.0)	1624, 4.37E-10(1.0 0.0)	1626, 4.27E-10(1.0 0.0)
1630, 4.06E-10(1.0 0.0)	1632, 4.11E-10(1.0 0.0)	1634, 4.04E-10(1.0 0.0)	1636, 4.11E-10(1.0 0.0)
1640, 4.47E-10(1.0 0.0)	1642, 4.29E-10(1.0 0.0)	1644, 4.33E-10(1.0 0.0)	1646, 4.39E-10(1.0 0.0)
1650, 4.29E-10(1.0 0.0)	1652, 4.39E-10(1.0 0.0)	1654, 4.49E-10(1.0 0.0)	1656, 4.50E-10(1.0 0.0)
1660, 4.26E-10(1.0 0.0)	1662, 4.13E-10(1.0 0.0)	1664, 4.13E-10(1.0 0.0)	1666, 4.18E-10(1.0 0.0)
1670, 4.27E-10(1.0 0.0)	1672, 4.13E-10(1.0 0.0)	1674, 4.24E-10(1.0 0.0)	1676, 4.44E-10(1.0 0.0)
1680, 4.14E-10(1.0 0.0)	1682, 4.31E-10(1.0 0.0)	1684, 4.56E-10(1.0 0.0)	1686, 4.66E-10(1.0 0.0)
1690, 4.82E-10(1.0 0.0)	1692, 4.66E-10(1.0 0.0)	1694, 4.55E-10(1.0 0.0)	1696, 4.34E-10(1.0 0.0)
1700, 4.18E-10(1.0 0.0)	1702, 4.03E-10(1.0 0.0)	1704, 4.08E-10(1.0 0.0)	1706, 4.33E-10(1.0 0.0)
1710, 4.73E-10( .9 0.0)	1712, 4.77E-10( .9 0.0)	1714, 4.60E-10( .9 0.0)	1716, 4.56E-10( .9 0.0)
1720, 4.37E-10(1.0 0.0)	1722, 4.28E-10(1.0 0.0)	1724, 4.26E-10(1.0 0.0)	1726, 4.30E-10(1.0 0.0)
1730, 4.44E-10( .9 0.0)	1732, 4.63E-10( .9 0.0)	1734, 4.70E-10( .9 0.0)	1736, 4.63E-10( .9 0.0)
1740, 4.65E-10( .9 0.0)	1742, 4.68E-10( .9 0.0)	1744, 4.61E-10( .9 0.0)	1746, 4.47E-10( .9 0.0)
1750, 4.46E-10( .9 0.0)	1752, 4.43E-10( .9 0.0)	1754, 4.32E-10( .9 0.0)	1756, 4.29E-10( .9 0.0)
1760, 4.36E-10( .9 0.0)	1762, 4.24E-10( .9 0.0)	1764, 4.07E-10( .9 0.0)	1766, 4.00E-10( .9 0.0)
1770, 4.06E-10( .9 0.0)	1772, 4.06E-10( .9 0.0)	1774, 4.01E-10( .9 0.0)	1776, 3.92E-10( .9 0.0)
1780, 3.97E-10( .9 0.0)	1782, 4.01E-10( .9 0.0)	1784, 3.90E-10( .9 0.0)	1786, 3.64E-10( .9 0.0)
1790, 3.36E-10( .9 0.0)	1792, 3.51E-10( .9 0.0)	1794, 3.72E-10( .9 0.0)	1796, 3.84E-10( .8 0.0)
1800, 3.57E-10( .9 0.0)	1802, 3.37E-10( .9 0.0)	1804, 3.40E-10( .8 0.0)	1806, 3.72E-10( .8 0.0)
1810, 4.34E-10( .8 0.0)	1812, 4.21E-10( .8 0.0)	1814, 3.98E-10( .8 0.0)	1816, 3.91E-10( .8 0.0)
1820, 4.18E-10( .8 0.0)	1822, 4.23E-10( .8 0.0)	1824, 4.19E-10( .8 0.0)	1826, 4.13E-10( .8 0.0)
1800, 3.58E-10( .8 0.0)	1805, 3.58E-10( .8 0.0)	1810, 4.26E-10( .8 0.0)	1815, 3.97E-10( .8 0.0)
1825, 4.16E-10( .8 0.0)	1830, 4.26E-10( .8 0.0)	1835, 4.41E-10( .8 0.0)	1840, 4.25E-10( .8 0.0)
1850, 4.17E-10( .7 0.0)	1855, 4.38E-10( .7 0.0)	1860, 4.29E-10( .7 0.0)	1865, 3.92E-10( .7 0.0)
1875, 4.34E-10( .7 0.0)	1880, 4.16E-10( .7 0.0)	1885, 4.09E-10( .7 0.0)	1890, 4.21E-10( .7 0.0)
1900, 4.44E-10( .7 0.0)	1905, 4.38E-10( .7 0.0)	1910, 4.10E-10( .7 0.0)	1915, 3.93E-10( .7 0.0)
1925, 4.18E-10( .7 0.0)	1930, 3.63E-10( .7 0.0)	1935, 3.59E-10( .7 0.0)	1940, 3.56E-10( .7 0.0)
1950, 3.60E-10( .7 0.0)	1955, 3.75E-10( .7 0.0)	1960, 3.63E-10( .7 0.0)	1965, 3.48E-10( .7 0.0)
1975, 3.51E-10( .6 0.0)	1980, 3.74E-10( .6 0.0)	1985, 3.86E-10( .6 0.0)	1990, 3.72E-10( .6 0.0)
2000, 3.52E-10( .6 0.0)	2005, 3.37E-10( .6 0.0)	2010, 3.36E-10( .6 0.0)	2015, 3.44E-10( .6 0.0)
2025, 3.31E-10( .6 0.0)	2030, 3.40E-10( .6 0.0)	2035, 3.27E-10( .6 0.0)	2040, 3.06E-10( .6 0.0)
2050, 3.12E-10( .6 0.0)	2055, 3.03E-10( .6 0.0)	2060, 3.03E-10( .6 0.0)	2065, 3.00E-10( .6 0.0)
2075, 2.86E-10( .5 0.0)	2080, 2.98E-10( .5 0.0)	2085, 3.07E-10( .5 0.0)	2090, 3.00E-10( .5 0.0)
2100, 2.76E-10( .5 0.0)	2105, 2.75E-10( .5 0.0)	2110, 2.81E-10( .5 0.0)	2115E, 2.93E-10( .5 0.0)
2125E, 2.87E-10( .5 0.0)	2130E, 2.90E-10( .5 0.0)	2135E, 2.94E-10( .5 0.0)	2140E, 2.88E-10( .4 0.0)
2150E, 2.92E-10( .4 0.0)	2155E, 2.93E-10( .4 0.0)	2160E, 2.95E-10( .4 0.0)	2165E, 3.05E-10( .4 0.0)
2175E, 2.90E-10( .4 0.0)	2180E, 2.62E-10( .4 0.0)	2185E, 2.50E-10( .4 0.0)	2190E, 2.52E-10( .4 0.0)
2200E, 2.66E-10( .4 0.0)	2205E, 2.66E-10( .4 0.0)	2210E, 2.61E-10( .4 0.0)	2215E, 2.54E-10( .4 0.0)
2225E, 2.46E-10( .4 0.0)	2230E, 2.51E-10( .4 0.0)	2235E, 2.54E-10( .4 0.0)	2240E, 2.52E-10( .4 0.0)
2250E, 2.56E-10( .4 0.0)	2255E, 2.52E-10( .4 0.0)	2260E, 2.41E-10( .4 0.0)	2265E, 2.34E-10( .4 0.0)
2275E, 2.34E-10( .4 0.0)	2280E, 2.33E-10( .4 0.0)	2285E, 2.33E-10( .4 0.0)	2290E, 2.39E-10( .4 0.0)
2300E, 2.48E-10( .3 0.0)	2305E, 2.47E-10( .3 0.0)	2310E, 2.48E-10( .3 0.0)	2315E, 2.48E-10( .3 0.0)
2300E, 2.48E-10( .3 0.0)	2310E, 2.48E-10( .3 0.0)	2320E, 2.45E-10( .3 0.0)	2330E, 2.38E-10( .3 0.0)
2350E, 2.43E-10( .3 0.0)	2360E, 2.43E-10( .3 0.0)	2370E, 2.44E-10( .3 0.0)	2380E, 2.46E-10( .3 0.0)
2400E, 2.38E-10( .3 0.0)	2410E, 2.46E-10( .3 0.0)	2420E, 2.44E-10( .3 0.0)	2430E, 2.50E-10( .3 0.0)
2450E, 2.60E-10( .3 0.0)	2460E, 2.43E-10( .3 0.0)	2470E, 2.27E-10( .3 0.0)	2480E, 2.26E-10( .3 0.0)
2500E, 2.41E-10( .2 0.0)	2510E, 2.49E-10( .2 0.0)	2520E, 2.55E-10( .2 0.0)	2530E, 2.53E-10( .2 0.0)
2550E, 2.55E-10( .2 0.0)	2560E, 2.51E-10( .2 0.0)	2570E, 2.50E-10( .2 0.0)	2580E, 2.53E-10( .2 0.0)
2600E, 2.33E-10( .2 0.0)	2610E, 2.30E-10( .2 0.0)	2620E, 2.28E-10( .2 0.0)	2630E, 2.22E-10( .2 0.0)
2650E, 2.33E-10( .2 0.0)	2660E, 2.52E-10( .2 0.0)	2670E, 2.67E-10( .2 0.0)	2680E, 2.66E-10( .2 0.0)
2700E, 2.50E-10( .2 0.0)	2710E, 2.41E-10( .2 0.0)	2720E, 2.28E-10( .2 0.0)	2730E, 2.15E-10( .2 0.0)
2750E, 2.09E-10( .2 0.0)	2760E, 2.17E-10( .2 0.0)	2770E, 2.27E-10( .2 0.0)	2780E, 2.36E-10( .2 0.0)
2800E, 2.52E-10( .1 0.0)	2810E, 2.46E-10( .1 0.0)	2820E, 2.29E-10( .1 0.0)	2830E, 2.19E-10( .1 0.0)
2850E, 2.20E-10( .1 0.0)	2860E, 2.14E-10( .1 0.0)	2870E, 2.06E-10( .1 0.0)	2880E, 2.07E-10( .1 0.0)
135, 0.00(0.0 0.0)	139, 0.00(0.0 0.0)	148, 0.00(0.0 0.0)	154, 0.00(0.0 0.0)
166, 2.29(1.0 0.0)	172, 2.28( .9 0.0)	181, 2.40( .8 0.0)	192, 2.41( .7 0.0)
219E, 2.83( .4 0.0)	245E, 2.93( .3 0.0)	280, 0.00(0.0 0.0)	360, 0.00(0.0 0.0)

X,Y(MM) -12.7 -1.1 SL3-129 21 SCANS, T= 225: OMI CAS WT 1.0, SCALE 1.00

R = 0.88:

HD 5394

GAM CAS

HD 5394

LAMBDA	F	(WT, SIG)	F = AVE FLUX	FROM LAM-DEL/2 TO LAM+DEL/2	
1310	1.05E-08	(1.6 7.9)	1312	9.89E-09 (1.6 9.2)	
1320	1.06E-08	(1.6 7.1)	1322	1.06E-08 (1.6 10.4)	
1330	1.11E-08	(1.5 8.4)	1332	1.11E-08 (1.5 5.3)	
1340	1.19E-08	(1.5 8.0)	1342	1.12E-08 (1.5 7.8)	
1350	1.29E-08	(1.4 6.9)	1352	1.32E-08 (1.4 8.0)	
1360	1.26E-08	(1.4 1.4)	1362	1.33E-08 (1.4 0)	
1370	1.46E-08	(1.3 2.8)	1372	1.36E-08 (1.3 1.6)	
1380	1.37E-08	(1.2 4.4)	1382	1.38E-08 (1.2 3.2)	
1390	1.21E-08	(1.2 16.8)	1392	1.06E-08 (1.2 4.6)	
1400	1.13E-08	(1.1 7.2)	1402	9.39E-09 (1.1 1.5)	
1410	1.24E-08	(.9 14.3)	1412	1.17E-08 (.8 19.8)	
1420	1.34E-08	(.7 7.8)	1422	1.33E-08 (.7 9.9)	
1430	1.09E-08	(.7 0)	1432	1.37E-08 (.6 0)	
1440	1.32E-08	(.6 0)	1442	1.37E-08 (.6 0)	
1450	1.30E-08	(.6 0)	1452	1.31E-08 (.6 0)	
1460	1.35E-08	(.5 0)	1462	1.31E-08 (.5 0)	
1470	1.23E-08	(.5 0)	1472	1.23E-08 (.5 0)	
1480	1.04E-08	(.5 0)	1482	1.34E-08 (.5 0)	
1490	1.21E-08	(.5 0)	1492	1.25E-08 (.5 0)	
1500	1.02E-08	(.5 0)	1502	1.02E-08 (.5 0)	
1510	1.26E-08	(.4 0)	1512	1.23E-08 (.4 0)	
1520	1.74E-08	(.4 0)	1522	1.48E-08 (.4 0)	
1530	1.03E-08	(.5 0)	1532	8.90E-09 (.5 0)	
1540	9.81E-09	(.5 0)	1542	8.30E-09 (.5 0)	
1550	5.73E-09	(.5 0)	1552	5.93E-09 (.5 0)	
1560	8.80E-09	(.4 0)	1562	8.91E-09 (.4 0)	
1570	8.28E-09	(.4 0)	1572	8.71E-09 (.4 0)	
1580	9.34E-09	(.4 0)	1582	1.04E-08 (.4 0)	
1590	1.26E-08	(.3 0)	1592	1.29E-08 (.3 0)	
1600	1.00E-08	(.3 0)	1602	9.05E-09 (.3 0)	
1610	8.32E-09	(.3 0)	1612	8.54E-09 (.3 0)	
1620	9.37E-09	(.3 0)	1622	1.10E-08 (.3 0)	
1630	9.33E-09	(.3 0)	1632	9.31E-09 (.3 0)	
1640	1.02E-08	(.3 0)	1642	1.02E-08 (.3 0)	
1650	1.05E-08	(.3 0)	1652	1.01E-08 (.3 0)	
1660	1.11E-08	(.3 0)	1662	9.61E-09 (.3 0)	
1670	1.15E-08	(.3 0)	1672	1.22E-08 (.2 0)	
1680	1.23E-08	(.2 0)	1682	1.28E-08 (.2 0)	
1690	1.09E-08	(.2 0)	1692	1.17E-08 (.2 0)	
1700	1.44E-08	(.2 0)	1702	1.41E-08 (.2 0)	
1710	1.28E-08	(.2 0)	1712	1.27E-08 (.2 0)	
1720	1.29E-08	(.2 0)	1722	1.18E-08 (.2 0)	
1730	8.25E-09	(.2 0)	1732	8.67E-09 (.2 0)	
1740	1.00E-08	(.2 0)	1742	1.01E-08 (.2 0)	
1750	1.03E-08	(.2 0)	1752	9.94E-09 (.2 0)	
1760	7.54E-09	(.2 0)	1762	7.33E-09 (.2 0)	
1770	7.71E-09	(.2 0)	1772	7.28E-09 (.2 0)	
1780	1.13E-08	(.1 0)	1782	1.12E-08 (.1 0)	
1790	8.86E-09	(.1 0)	1792	8.29E-09 (.1 0)	
1800	8.03E-09	(.2 0)	1802	8.14E-09 (.2 0)	
1810	9.27E-09	(.1 0)	1812	8.15E-09 (.1 0)	
1820	8.37E-09	(.1 0)	1822	8.47E-09 (.1 0)	
1800E	8.52E-09	(.1 0)	1805E	1.04E-08 (.1 0)	
1825E	7.78E-09	(.1 0)	1830E	7.23E-09 (.1 0)	
1850E	8.78E-09	(.1 0)	1855E	8.35E-09 (.1 0)	
1875E	8.44E-09	(.1 0)	1880E	1.02E-08 (.1 0)	
1900E	7.83E-09	(.1 0)	1905E	8.72E-09 (.1 0)	
1925E	6.97E-09	(.1 0)	1930E	7.42E-09 (.1 0)	
1950E	6.40E-09	(.1 0)	1955E	6.52E-09 (.1 0)	
1975E	6.52E-09	(.1 0)	1980E	7.31E-09 (.1 0)	
2000E	6.11E-09	(.1 0)	0	0	
135	-1.39	(1.4 3.0)	139	-1.23	(1.1 10.2)
166E	-1.24	(.3 0)	172E	-1.22	(.2 0)
0	0.00	(0.0 0.0)	0	0.00	(0.0 0.0)

X,Y(MM) -12.5 2.7 SL3- 70 19 SCANS, T= 225: GAM CAS WT .9, SCALE .71  
X,Y(MM) -12.5 2.7 SL3- 71 13 SCANS, T= 77: GAM CAS WT .9, SCALE 1.07

R = 0.87+-

LAMBDA	F	(WT)	SIG	F - AVE FLUX	FROM LAM-DEL/2	TO LAM-DEL/2													
1600U	6.83E-11	(.1)	0.0	1602U	7.42E-11	(.1)	0.0	1604U	7.46E-11	(.2)	0.0	1606U	9.41E-11	(.2)	0.0	1608U	8.90E-11	(.1)	0.0
1610U	6.31E-11	(.1)	0.0	1612U	6.46E-11	(.1)	0.0	1614U	6.31E-11	(.1)	0.0	1616U	7.14E-11	(.1)	0.0	1618U	8.41E-11	(.1)	0.0
1620U	7.81E-11	(.2)	0.0	1622U	8.16E-11	(.2)	0.0	1624U	1.06E-10	(.3)	0.0	1626U	1.13E-10	(.3)	0.0	1628U	1.02E-10	(.4)	0.0
1630U	1.18E-10	(.4)	0.0	1632U	1.22E-10	(.4)	0.0	1634U	1.13E-10	(.4)	0.0	1636U	9.40E-11	(.3)	0.0	1638U	7.85E-11	(.2)	0.0
1640U	8.86E-11	(.2)	0.0	1642U	8.67E-11	(.2)	0.0	1644U	7.43E-11	(.2)	0.0	1646U	8.32E-11	(.2)	0.0	1648U	8.42E-11	(.2)	0.0
1650U	7.50E-11	(.2)	0.0	1652U	7.19E-11	(.2)	0.0	1654U	8.73E-11	(.2)	0.0	1656U	1.03E-10	(.3)	0.0	1658U	9.96E-11	(.3)	0.0
1660U	9.16E-11	(.3)	0.0	1662U	8.49E-11	(.2)	0.0	1664U	7.95E-11	(.3)	0.0	1666U	8.93E-11	(.3)	0.0	1668U	9.45E-11	(.3)	0.0
1670U	8.95E-11	(.3)	0.0	1672U	9.11E-11	(.3)	0.0	1674U	1.01E-10	(.4)	0.0	1676U	1.01E-10	(.4)	0.0	1678U	1.03E-10	(.5)	0.0
1680U	1.10E-10	(.5)	0.0	1682U	1.16E-10	(.6)	0.0	1684U	1.26E-10	(.6)	0.0	1686U	1.20E-10	(.6)	0.0	1688U	1.11E-10	(.6)	0.0
1690U	1.19E-10	(.6)	0.0	1692U	1.25E-10	(.6)	0.0	1694U	1.08E-10	(.6)	0.0	1696U	9.70E-11	(.5)	0.0	1698U	1.04E-10	(.5)	0.0
1700U	1.10E-10	(.6)	0.0	1702U	1.12E-10	(.6)	0.0	1704U	1.11E-10	(.6)	0.0	1706U	1.05E-10	(.6)	0.0	1708U	1.03E-10	(.6)	0.0
1710U	1.02E-10	(.6)	0.0	1712U	9.78E-11	(.6)	0.0	1714U	9.98E-11	(.6)	0.0	1716U	1.05E-10	(.6)	1.7	1718U	1.04E-10	(.6)	5.5
1720U	1.06E-10	(.6)	1.7	1722U	1.05E-10	(.7)	2.4	1724U	9.95E-11	(.7)	1.5	1726U	9.64E-11	(.6)	2.6	1728U	9.66E-11	(.6)	2.8
1730U	9.39E-11	(.6)	2.3	1732U	8.45E-11	(.6)	6.1	1734U	8.14E-11	(.6)	18.5	1736U	9.06E-11	(.6)	24.7	1738U	1.00E-10	(.8)	16.2
1740U	1.04E-10	(.8)	12.1	1742U	9.72E-11	(.8)	11.3	1744U	9.24E-11	(.8)	8.2	1746U	9.76E-11	(.9)	10.5	1748U	1.10E-10	(.1)	16.8
1750U	1.18E-10	(.12)	15.5	1752U	1.22E-10	(.14)	8.9	1754U	1.22E-10	(.14)	7.4	1756U	1.13E-10	(.13)	11.0	1758U	1.05E-10	(.12)	12.8
1760U	1.02E-10	(.12)	10.7	1762U	1.05E-10	(.13)	8.1	1764U	1.12E-10	(.14)	7.2	1766U	1.13E-10	(.14)	5.4	1768U	1.10E-10	(.14)	7.7
1770U	1.09E-10	(.14)	1.9	1772U	1.11E-10	(.14)	1.0	1774U	1.09E-10	(.14)	3.3	1776U	1.10E-10	(.14)	4.3	1778U	1.13E-10	(.13)	7.0
1780U	1.10E-10	(.13)	10.7	1782U	1.05E-10	(.12)	11.2	1784U	1.00E-10	(.12)	8.6	1786U	9.90E-11	(.13)	6.3	1788U	1.03E-10	(.13)	7.9
1790U	1.08E-10	(.14)	8.3	1792U	1.09E-10	(.14)	4.5	1794U	1.08E-10	(.14)	2.0	1796U	1.06E-10	(.15)	6.1	1798U	1.03E-10	(.15)	2.5
1800U	1.04E-10	(.16)	7.6	1802U	1.09E-10	(.17)	13.4	1804U	1.10E-10	(.17)	15.1	1806U	1.08E-10	(.16)	11.4	1808U	1.05E-10	(.16)	7.5
1810U	1.05E-10	(.16)	6.3	1812U	1.06E-10	(.16)	8.6	1814U	1.08E-10	(.17)	11.1	1816U	1.08E-10	(.17)	11.7	1818U	1.08E-10	(.17)	10.9
1820U	1.09E-10	(.17)	10.2	1822U	1.10E-10	(.17)	9.6	1824U	1.11E-10	(.18)	10.4	1826U	1.14E-10	(.18)	11.9	1828U	0.0	(.0)	0.0
1800U	1.05E-10	(.17)	7.9	1805U	1.09E-10	(.17)	13.1	1810U	1.06E-10	(.17)	7.1	1815U	1.08E-10	(.17)	11.2	1820U	1.10E-10	(.17)	10.3
1825U	1.13E-10	(.17)	11.1	1830U	1.06E-10	(.17)	12.0	1835U	9.59E-11	(.16)	2.4	1840U	9.25E-11	(.15)	7.2	1845U	9.78E-11	(.15)	6.7
1850U	9.43E-11	(.15)	10.2	1855U	9.47E-11	(.16)	6.1	1860U	1.00E-10	(.17)	5.5	1865U	1.01E-10	(.18)	8.6	1870U	9.57E-11	(.17)	3.6
1875U	8.91E-11	(.17)	2.7	1880U	8.26E-11	(.16)	9.1	1885U	8.37E-11	(.16)	6.1	1890U	7.78E-11	(.16)	4.3	1895U	8.32E-11	(.17)	5.7
1900U	9.11E-11	(.18)	11.2	1905U	9.15E-11	(.18)	12.1	1910U	8.69E-11	(.17)	9.2	1915U	8.06E-11	(.17)	4.1	1920U	7.85E-11	(.17)	2.3
1925U	8.04E-11	(.18)	5.1	1930U	8.48E-11	(.18)	8.0	1935U	8.54E-11	(.18)	8.6	1940U	8.04E-11	(.18)	5.7	1945U	7.74E-11	(.18)	2.9
1950U	8.21E-11	(.19)	6.2	1955U	8.76E-11	(.20)	11.8	1960U	8.54E-11	(.20)	7.1	1965U	8.44E-11	(.20)	1.2	1970U	7.99E-11	(.19)	8.8
1975U	7.64E-11	(.18)	1.6	1980U	7.58E-11	(.18)	7.4	1985U	7.36E-11	(.17)	10.8	1990U	7.19E-11	(.17)	9.5	1995U	7.14E-11	(.18)	7.9
2000U	7.46E-11	(.20)	2.9	2005U	7.81E-11	(.20)	1.2	2010U	7.54E-11	(.20)	1.6	2015U	7.27E-11	(.20)	4.3	2020U	7.26E-11	(.20)	6.4
2025U	7.05E-11	(.20)	3.7	2030U	7.32E-11	(.20)	3.8	2035U	7.41E-11	(.20)	2.1	2040U	7.13E-11	(.20)	1.6	2045U	7.06E-11	(.20)	3.6
2050U	7.18E-11	(.20)	3.3	2055U	7.30E-11	(.20)	5.6	2060U	7.35E-11	(.20)	5.4	2065U	7.46E-11	(.20)	1.4	2070U	7.29E-11	(.20)	8.8
2075U	7.13E-11	(.20)	1.3	2080U	7.19E-11	(.20)	2.5	2085U	7.21E-11	(.20)	4.6	2090U	7.13E-11	(.20)	2.9	2095U	6.99E-11	(.20)	1.2
2100U	7.10E-11	(.20)	2.2	2105U	7.10E-11	(.20)	5.3	2110U	6.78E-11	(.20)	2.6	2115U	6.62E-11	(.20)	2.4	2120U	6.75E-11	(.20)	2.4
2125U	6.90E-11	(.20)	1.4	2130U	6.92E-11	(.20)	8.0	2135U	6.78E-11	(.20)	1.8	2140U	6.62E-11	(.20)	3.8	2145U	6.63E-11	(.20)	1.5
2150U	6.85E-11	(.20)	1.6	2155U	6.93E-11	(.20)	1.7	2160U	6.84E-11	(.20)	8.1	2165U	6.76E-11	(.20)	1.0	2170U	6.56E-11	(.20)	1.1
2175U	6.30E-11	(.19)	3.4	2180U	6.29E-11	(.19)	5.9	2185U	6.57E-11	(.19)	5.4	2190U	6.80E-11	(.19)	3.4	2195U	6.82E-11	(.19)	2.3
2200U	6.83E-11	(.19)	9.1	2205U	6.83E-11	(.19)	3.1	2210U	6.72E-11	(.19)	1.6	2215U	6.46E-11	(.19)	2.8	2220U	6.15E-11	(.19)	3.8
2225U	5.94E-11	(.19)	4.2	2230U	5.81E-11	(.19)	6.0	2235U	5.73E-11	(.19)	6.9	2240U	5.75E-11	(.19)	5.9	2245U	5.88E-11	(.19)	3.3
2250U	5.99E-11	(.19)	2.6	2255U	5.99E-11	(.19)	4.2	2260U	5.94E-11	(.19)	5.5	2265U	5.92E-11	(.19)	4.2	2270U	5.90E-11	(.19)	2.3
2275U	5.89E-11	(.19)	2.2	2280U	5.96E-11	(.19)	5.8	2285U	6.05E-11	(.18)	4.6	2290U	6.05E-11	(.18)	5.6	2295U	5.94E-11	(.18)	6.5
2300U	5.89E-11	(.18)	6.9	2305U	5.88E-11	(.18)	5.6	2310U	5.86E-11	(.18)	3.0	2315U	5.80E-11	(.18)	5.1	2320U	5.80E-11	(.18)	0.0
2300U	5.90E-11	(.18)	6.6	2310U	5.86E-11	(.18)	2.9	2320U	5.73E-11	(.18)	2.2	2330U	5.45E-11	(.18)	4.4	2340U	5.19E-11	(.19)	2.2
2350U	5.25E-11	(.18)	4.1	2360U	5.33E-11	(.18)	1.1	2370U	5.25E-11	(.18)	1.7	2380U	5.05E-11	(.18)	2.6	2390U	5.09E-11	(.18)	1.1
2400U	5.18E-11	(.18)	1.8	2410U	5.09E-11	(.18)	3.2	2420U	5.11E-11	(.18)	5.4	2430U	5.13E-11	(.18)	4.6	2440U	5.19E-11	(.18)	2.3
2450U	5.35E-11	(.18)	1.5	2460U	5.41E-11	(.17)	5.1	2470U	5.25E-11	(.17)	1.7	2480U	5.11E-11	(.17)	6.1	2490U	5.09E-11	(.17)	7.7
2500U	5.25E-11	(.17)	1.5	2510U	5.48E-11	(.17)	2.6	2520U	5.57E-11	(.16)	4.1	2530U	5.59E-11	(.16)	6.9	2540U	5.52E-11	(.16)	6.3
2550U	5.37E-11	(.16)	5.8	2560U	5.25E-11	(.16)	2.0	2570U	5.24E-11	(.16)	8.2	2580U	5.29E-11	(.16)	2.2	2590U	5.36E-11	(.16)	2.0
2600U	5.39E-11	(.16)	1.5	2610U	5.34E-11	(.16)	8.8	2620U	5.28E-11	(.15)	1.9	2630U	5.31E-11	(.15)	8.8	2640U	5.43E-11	(.15)	5.3
2650U	5.55E-11	(.15)	7.7	2660U	5.62E-11	(.15)	5.6	2670U	5.68E-11	(.15)	2.8	2680U	5.73E-11	(.14)	2.3	2690U	5.80E-11	(.14)	0.0
2700U	5.85E-11	(.14)	2.2	2710U	5.79E-11	(.14)	3.0	2720U	5.69E-11	(.14)	1.2	2730U	5.67E-11	(.14)	1.3	2740U	5.73E-11	(.14)	2.0
2750U	5.80E-11	(.14)	1.0	2760U	5.84E-11	(.14)	1.3	2770U	5.84E-11	(.13)	2.5	2780U	5.83E-11	(.13)	3.5	2790U	5.84E-11	(.13)	4.5
2800U	5.85E-11	(.13)	5.7	2810U	5.80E-11	(.13)	5.5	2820U	5.68E-11	(.13)	3.9	2830U	5.59E-11	(.13)	2.0	2840U	5.59E-11	(.13)	1.6
2850U	5.66E-11	(.13)	2.5	2860U	5.73E-11	(.13)	3.3	2870U	5.76E-11	(.12)	3.8	2880U	5.74E-11	(.12)	3.9	2890U	5.71E-11	(.12)	3.8
2900U	5.68E-11	(.12)	3.2	2910U	5.66E-11	(.12)	2.6	2920U	5.63E-11	(.12)	1.9	2930U	5.64E-11	(.12)	2.6	2940U	5.70E-11	(.12)	4.0
2950U	5.81E-11	(.12)	5.1	2960U	5.94E-11	(.12)	5.8	2970U	6.03E-11	(.11)	5.8	2980U	6.08E-11	(.11)	5.5	2990U	6.06E-11	(.11)	5.2
3000U	6.02E-11	(.11)	4.8	3010U	6.01E-11	(.11)	4.3	3020U	6.03E-11	(.11)	4.0	3030U	6.13E-11	(.11)	3.9	3040U	6.13E-11	(.11)	0.0
3000U	6.02E-11	(.11)	4.8	3020U	6.04E-11	(.11)	3.9	3040U	6.24E-11	(.11)	3.5	3060U	6.14E-11	(.11)	8.8	3080U	5.75E-11	(.11)	1.7
3100U	5.68E-11	(.11)	0.0	3120U	5.83E-11	(.10)	4.1	3140U	5.83E-11	(.10)	7.2	3160U	5.78E-11	(.10)	9.2	3180U	5.80E-11	(.10)	7.8

HD 10144

ALF ERI

HD 10144.

LAMBDA	F	(WT, SIG)	F = AVE FLUX FROM LAM-DEL/2 TO LAM+DEL/2
1310	1.98E-08	(1.4 4.4)	1312, 2.33E-08(1.4 1.7)
1320	2.61E-08	(1.4 6.9)	1322, 2.63E-08(1.4 8.3)
1330	2.37E-08	(1.4 1.1)	1332, 2.32E-08(1.4 8.9)
1340	2.54E-08	(1.3 5.2)	1342, 2.32E-08(1.2 3.0)
1350	2.44E-08	(1.2 2.7)	1352, 2.38E-08(1.1 3.7)
1360	2.44E-08	(1.1 6.7)	1362, 2.37E-08(1.1 5.6)
1370	2.39E-08	(1.0 1.1)	1372, 2.28E-08(1.0 3.0)
1380	2.07E-08	(1.0 6.2)	1382, 2.10E-08(1.0 6.4)
1390	2.08E-08	(.9 3.2)	1392, 1.89E-08(1.0 2.9)
1400	1.88E-08	(.9 3.6)	1402, 1.88E-08(.9 2.2)
1410	1.85E-08	(.9 6.7)	1412, 1.77E-08(.9 3.4)
1420	2.08E-08	(.9 4.6)	1422, 1.98E-08(.9 7.7)
1430	1.92E-08	(.9 7.1)	1432, 1.77E-08(.8 8.5)
1440	2.04E-08	(.8 5.2)	1442, 1.98E-08(.8 6.6)
1450	1.84E-08	(.7 8.6)	1452, 2.12E-08(.7 4.6)
1460E	2.04E-08	(.6 13.5)	1462E, 1.99E-08(.6 2.9)
1470E	1.89E-08	(.6 4.9)	1472E, 1.74E-08(.6 9.8)
1480E	1.63E-08	(.6 8.9)	1482E, 1.72E-08(.6 2.5)
1490	1.75E-08	(.5 0.0)	1492, 1.69E-08(.5 0.0)
1500	1.43E-08	(.5 0.0)	1502, 1.44E-08(.5 0.0)
1510	1.54E-08	(.5 0.0)	1512, 1.67E-08(.5 0.0)
1520	1.42E-08	(.5 0.0)	1522, 1.60E-08(.5 0.0)
1530	1.67E-08	(.4 0.0)	1532, 1.57E-08(.4 0.0)
1540	1.75E-08	(.4 0.0)	1542, 1.61E-08(.4 0.0)
1550	1.50E-08	(.4 0.0)	1552, 1.56E-08(.4 0.0)
1560	1.80E-08	(.4 0.0)	1562, 1.50E-08(.4 0.0)
1570	1.41E-08	(.4 0.0)	1572, 1.42E-08(.4 0.0)
1580	1.65E-08	(.4 0.0)	1582E, 1.77E-08(.3 0.0)
1590	1.42E-08	(.4 0.0)	1592, 1.59E-08(.4 0.0)
1600	1.37E-08	(.4 0.0)	1602, 1.31E-08(.4 0.0)
1610	1.19E-08	(.4 0.0)	1612, 1.27E-08(.4 0.0)
1620	1.12E-08	(.4 0.0)	1622, 1.24E-08(.4 0.0)
1630	1.09E-08	(.4 0.0)	1632, 1.14E-08(.4 0.0)
1640	1.23E-08	(.4 0.0)	1642, 1.19E-08(.4 0.0)
1650	1.19E-08	(.4 0.0)	1652, 1.25E-08(.4 0.0)
1660	1.13E-08	(.4 0.0)	1662, 1.04E-08(.4 0.0)
1670	1.09E-08	(.4 0.0)	1672, 1.03E-08(.4 0.0)
1680E	1.23E-08	(.3 0.0)	1682, 1.14E-08(.3 0.0)
1690	9.67E-09	(.4 0.0)	1692, 1.09E-08(.3 0.0)
1700	1.08E-08	(.3 0.0)	1702E, 1.17E-08(.3 0.0)
1710E	1.06E-08	(.3 0.0)	1712E, 1.09E-08(.3 0.0)
1720E	1.30E-08	(.3 0.0)	1722E, 1.21E-08(.3 0.0)
1730E	1.11E-08	(.3 0.0)	1732E, 1.08E-08(.3 0.0)
1740E	8.82E-09	(.3 0.0)	1742E, 9.39E-09(.3 0.0)
1750E	8.76E-09	(.3 0.0)	1752E, 8.79E-09(.3 0.0)
1760E	9.64E-09	(.3 0.0)	1762E, 9.98E-09(.2 0.0)
1770E	9.97E-09	(.2 0.0)	1772E, 9.16E-09(.2 0.0)
1780E	1.07E-08	(.2 0.0)	1782E, 1.04E-08(.2 0.0)
1790E	1.08E-08	(.2 0.0)	1792E, 1.06E-08(.2 0.0)
1800E	8.09E-09	(.2 0.0)	1802E, 8.00E-09(.2 0.0)
1810E	7.92E-09	(.2 0.0)	1812E, 7.99E-09(.2 0.0)
1820E	8.81E-09	(.2 0.0)	1822E, 8.67E-09(.2 0.0)
1800E	8.20E-09	(.2 0.0)	1805E, 7.82E-09(.2 0.0)
1825E	8.44E-09	(.2 0.0)	1830E, 7.53E-09(.2 0.0)
1850E	5.19E-09	(.3 0.0)	1855E, 5.04E-09(.3 0.0)
1875E	5.24E-09	(.3 0.0)	1880E, 5.08E-09(.3 0.0)
1900E	4.75E-09	(.3 0.0)	1905E, 4.60E-09(.3 0.0)
1925E	5.02E-09	(.2 0.0)	1930E, 4.61E-09(.2 0.0)
1950E	4.50E-09	(.2 0.0)	1955E, 4.85E-09(.2 0.0)
135	-2.06(1.1 3.2)	139	-1.84(.9 1.6)
166	-1.24(.4 0.0)	172E	-1.14(.3 0.0)
219	0.00(0.0 0.0)	245	0.00(0.0 0.0)
148	-1.71(.6 0.0)	154	-1.59(.4 0.0)
181E	-.94(.2 0.0)	192E	-.31(.2 0.0)
280	0.00(0.0 0.0)	360	0.00(0.0 0.0)
161	-1.34(.4 0.0)	204	0.00(0.0 0.0)
1818E	8.81E-09(.2 0.0)	1815E	8.46E-09(.2 0.0)
1845E	6.88E-09(.2 0.0)	1840E	8.11E-09(.2 0.0)
1870E	6.21E-09(.2 0.0)	1865E	6.26E-09(.2 0.0)
1895E	4.92E-09(.3 0.0)	1890E	4.91E-09(.3 0.0)
1920E	5.54E-09(.2 0.0)	1915E	5.25E-09(.2 0.0)
1945E	4.55E-09(.3 0.0)	1940E	4.23E-09(.3 0.0)
1970E	4.18E-09(.2 0.0)	1965E	4.33E-09(.2 0.0)

X,Y(MM) -1.6 -12.7 SL4- 27 21 SCANS, T= 74 ALF ERI WT .7, SCALE 1.00  
X,Y(MM) -1.6 -12.7 SL4- 28 21 SCANS, T= 28 ALF ERI WT .7, SCALE 1.00

R = 1.70

$\cdot R = (0.60):$



HD 18925

GAM PER

HD 18925

LAMBDA, F (WT, SIG)			F = AVE FLUX FROM LAM-DEL/2 TO LAM-DEL/2		
1730U	1.19E-10	(.7 42.8)	1732U	1.18E-10	(.7 44.1)
1740U	1.12E-10	(.7 36.7)	1742U	1.13E-10	(.8 27.2)
1750U	1.08E-10	(.9 20.1)	1752U	9.86E-11	(.7 18.0)
1760U	9.65E-11	(.8 17.2)	1762U	9.94E-11	(.8 24.7)
1770U	9.93E-11	(.8 29.8)	1772U	9.62E-11	(.8 33.6)
1780U	9.07E-11	(1.0 5.9)	1782U	9.42E-11	(1.0 14.1)
1790U	8.75E-11	(1.1 14.2)	1792U	8.48E-11	(1.1 8.7)
1800U	1.05E-10	(1.4 3.3)	1802U	1.07E-10	(1.4 3.0)
1810U	1.16E-10	(1.5 6.9)	1812U	1.13E-10	(1.6 7.6)
1820U	1.13E-10	(1.6 19.2)	1822U	1.12E-10	(1.6 12.5)
1800U	1.03E-10	(1.4 .8)	1805U	1.09E-10	(1.5 5.4)
1825U	1.10E-10	(1.6 9.3)	1830U	1.13E-10	(1.6 10.5)
1850U	1.15E-10	(1.7 4.7)	1855U	1.19E-10	(1.8 10.1)
1875U	1.14E-10	(1.8 1.0)	1880U	1.09E-10	(1.7 2.3)
1900U	9.63E-11	(1.6 7.3)	1905U	1.01E-10	(1.6 9.4)
1925U	9.89E-11	(1.8 5.9)	1930U	9.53E-11	(1.8 5.9)
1950U	9.61E-11	(2.0 1.1)	1955U	1.00E-10	(2.0 3.7)
1975U	9.11E-11	(2.0 .4)	1980U	9.05E-11	(2.0 3.6)
2000U	9.18E-11	(2.0 .9)	2005U	9.06E-11	(2.0 3.6)
2025U	7.96E-11	(2.0 8.0)	2030U	7.96E-11	(2.0 6.8)
2050U	8.54E-11	(1.9 1.3)	2055U	7.93E-11	(1.9 .1)
2075U	8.29E-11	(1.9 3.7)	2080U	8.37E-11	(1.9 4.4)
2100U	8.04E-11	(1.8 2.0)	2105U	7.97E-11	(1.8 6.6)
2125U	7.74E-11	(1.8 2.8)	2130U	7.67E-11	(1.8 2.2)
2150U	7.36E-11	(1.8 .9)	2155U	7.47E-11	(1.8 .1)
2175U	7.03E-11	(1.8 4.9)	2180U	7.13E-11	(1.7 3.5)
2200U	6.89E-11	(1.7 1.8)	2205U	6.89E-11	(1.7 2.3)
2225U	6.89E-11	(1.7 .8)	2230U	6.86E-11	(1.7 .5)
2250U	6.41E-11	(1.7 .1)	2255U	6.36E-11	(1.7 .9)
2275U	6.19E-11	(1.4 3.5)	2280U	6.27E-11	(1.7 7.7)
2300U	6.44E-11	(1.7 1.5)	2305U	6.36E-11	(1.7 3.0)
2330U	6.44E-11	(1.7 1.5)	2335U	6.25E-11	(1.7 3.1)
2350U	5.55E-11	(1.7 2.7)	2360U	5.54E-11	(1.7 .7)
2400U	5.08E-11	(1.6 1.5)	2410U	5.23E-11	(1.6 2.1)
2450U	5.35E-11	(1.5 4.2)	2460U	6.04E-11	(1.5 4.3)
2500U	5.68E-11	(1.5 1.1)	2510U	5.64E-11	(1.5 .1)
2550U	5.55E-11	(1.4 .5)	2560U	5.64E-11	(1.4 .9)
2600U	6.13E-11	(1.3 11.4)	2610U	6.14E-11	(1.3 8.7)
2650U	6.48E-11	(1.2 10.0)	2660U	6.67E-11	(1.2 9.2)
2700U	6.29E-11	(1.2 9.2)	2710U	6.09E-11	(1.2 9.7)
2750U	6.29E-11	(1.1 8.5)	2760U	6.29E-11	(1.1 9.8)
2800U	6.40E-11	(1.0 7.7)	2810U	6.55E-11	(1.0 9.3)
2850U	7.01E-11	(.9 18.2)	2860U	7.26E-11	(.9 15.4)
2900U	7.75E-11	(.8 11.5)	2910U	7.83E-11	(.8 11.8)
2950U	8.00E-11	(.8 10.1)	2960U	8.29E-11	(.8 10.0)
3000U	8.28E-11	(.7 12.8)	3010U	8.17E-11	(.7 14.0)
3000E	8.29E-11	(.7 12.8)	3020E	8.22E-11	(.7 14.6)
3100E	9.30E-11	(.6 15.6)	3120E	9.54E-11	(.6 16.9)
3200E	9.91E-11	(.5 15.4)	3220E	1.01E-10	(.5 17.0)
3300E	1.16E-10	(.4 11.5)	3320E	1.27E-10	(.4 12.7)
3400E	1.56E-10	(.3 17.3)	3420E	1.49E-10	(.3 18.5)
3500E	1.31E-10	(.3 14.5)	3520E	1.31E-10	(.3 15.8)
3600E	1.40E-10	(.3 25.1)	3620E	1.44E-10	(.3 24.3)
3700E	1.61E-10	(.2 18.1)	3720E	1.63E-10	(.2 21.3)
3800E	1.70E-10	(.2 40.6)	3820E	1.78E-10	(.2 41.6)
3900E	2.13E-10	(.2 41.6)	3920E	2.17E-10	(.2 42.1)
4000E	2.35E-10	(.2 40.9)	4020E	2.39E-10	(.2 40.4)
4100E	2.51E-10	(.2 40.0)	4120E	2.57E-10	(.2 40.1)
135U	0.00(0.0 0.0)		139U	0.00(0.0 0.0)	
166U	0.00(0.0 0.0)		172U	0.00(0.0 0.0)	
219U	4.28(1.7 .5)		245U	4.51(1.5 .9)	
135U	0.00(0.0 0.0)		148U	0.00(0.0 0.0)	
166U	0.00(0.0 0.0)		181U	3.88(1.3 10.8)	
219U	4.28(1.7 .5)		280U	4.27(1.0 11.1)	
135U	0.00(0.0 0.0)		154U	0.00(0.0 0.0)	
166U	0.00(0.0 0.0)		192U	3.88(1.8 3.7)	
219U	4.28(1.7 .5)		360E	3.46(.3 27.3)	
1738U	1.14E-10	(.6 34.2)	1746U	1.12E-10	(.9 25.2)
1758U	8.21E-11	(.6 12.8)	1766U	8.85E-11	(.7 27.3)
1778U	7.80E-11	(.7 23.8)	1786U	9.69E-11	(1.1 24.7)
1798U	8.75E-11	(1.2 2.2)	1806U	1.09E-10	(1.4 6.1)
1816U	1.09E-10	(1.6 18.8)	1826U	1.08E-10	(1.6 8.7)
1738U	1.11E-10	(.7 39.1)	1748U	1.10E-10	(.9 25.5)
1758U	8.82E-11	(.7 11.9)	1768U	9.20E-11	(.8 27.4)
1778U	8.24E-11	(.8 9.9)	1788U	9.22E-11	(1.1 20.5)
1798U	9.61E-11	(1.3 3.1)	1808U	1.14E-10	(1.5 6.6)
1818U	1.12E-10	(1.7 22.4)	1828U	0.0	(0.0 0.0)
1820U	1.11E-10	(1.6 18.3)	1845U	1.10E-10	(1.7 11.1)
1870U	1.17E-10	(1.8 10.0)	1895U	9.99E-11	(1.6 9.6)
1920U	1.07E-10	(1.8 2.3)	1945U	9.48E-11	(1.8 9.0)
1970U	9.65E-11	(2.0 .7)	2020U	8.06E-11	(2.0 7.4)
1995U	9.12E-11	(2.0 1.2)	2045U	8.80E-11	(1.9 3.1)
2070U	8.42E-11	(1.9 5.8)	2095U	8.15E-11	(1.8 3.6)
2120U	7.62E-11	(1.8 1.7)	2145U	7.16E-11	(1.8 1.7)
2170U	7.00E-11	(1.8 4.5)	2195U	7.07E-11	(1.7 3.3)
2220U	6.92E-11	(1.7 1.4)	2245U	6.56E-11	(1.7 1.5)
2270U	6.67E-11	(1.7 4.8)	2295U	6.51E-11	(1.7 .1)
2340U	6.64E-11	(1.7 4.1)	2390U	6.64E-11	(1.7 4.1)
2440U	6.54E-11	(1.7 4.1)	2490U	6.64E-11	(1.7 4.1)
2540U	5.48E-11	(1.4 .7)	2590U	6.06E-11	(1.3 9.0)
2640U	6.36E-11	(1.2 7.9)	2690U	6.55E-11	(1.1 7.4)
2740U	6.24E-11	(1.1 6.6)	2790U	6.25E-11	(1.1 8.1)
2840U	6.82E-11	(1.0 18.7)	2890U	7.66E-11	(.8 10.9)
2940U	7.82E-11	(.8 11.0)	2990U	8.48E-11	(.7 11.6)
3090U	8.37E-11	(.7 14.5)	3190U	9.13E-11	(.6 11.6)
3290U	9.88E-11	(.5 15.9)	3390U	1.11E-10	(.4 11.8)
3490U	1.34E-10	(.3 15.2)	3590U	1.37E-10	(.3 23.5)
3690U	1.59E-10	(.3 17.5)	3790U	1.65E-10	(.2 37.9)
3890U	2.07E-10	(.2 41.5)	3990U	2.29E-10	(.2 41.7)
4090U	2.48E-10	(.2 40.0)	4190U	2.83E-10	(.2 42.7)

R = 0.60:

$$R = 0.59$$

HD 19356

BET PER

HD 19356

LAMBDA	F	(WT, SIG)	F = AVE FLUX FROM LAM-DEL/2 TO LAM+DEL/2
1320.0	0.0	(0.0, 0.0)	1320.0 3.79E-09(1.1 0.0)
1330.0	3.65E-09	(2.0 0.0)	1330.0 3.31E-09(1.2 0.0)
1340.0	3.58E-09	(3.28 1.1)	1340.0 4.19E-09(1.3 40.1)
1350.0	4.50E-09	(5.24 7.7)	1350.0 4.59E-09(1.4 28.2)
1360.0	3.38E-09	(4.23 2.2)	1360.0 4.13E-09(1.5 21.2)
1370.0	4.65E-09	(7.32 8.8)	1370.0 4.66E-09(1.7 26.6)
1380.0	3.98E-09	(7.1 1.7)	1380.0 4.46E-09(1.8 16.4)
1390.0	3.95E-09	(9.1 1.9)	1390.0 4.91E-09(1.9 8.8)
1400.0	4.56E-09	(12.9 6.6)	1400.0 4.75E-09(1.9 8.7)
1410.0	4.70E-09	(13.27 4.4)	1410.0 4.18E-09(1.3 17.1)
1420.0	4.25E-09	(14.16 8.8)	1420.0 5.22E-09(1.5 23.6)
1430.0	4.77E-09	(15.9 7.7)	1430.0 4.82E-09(1.5 2.7)
1440.0	4.54E-09	(16.3 6.6)	1440.0 4.67E-09(1.7 12.4)
1450.0	5.59E-09	(2.14 1.1)	1450.0 4.75E-09(2.1 9.9)
1460.0	5.01E-09	(1.7 0.0)	1460.0 5.07E-09(2.0 17.4)
1470.0	4.70E-09	(2.3 6.7)	1470.0 4.63E-09(2.2 4.3)
1480.0	4.68E-09	(2.6 11.8)	1480.0 4.23E-09(2.5 4.6)
1490.0	3.92E-09	(2.4 5.5)	1490.0 3.92E-09(2.4 6.6)
1500.0	3.91E-09	(2.5 5.5)	1500.0 3.92E-09(2.4 7.9)
1510.0	3.68E-09	(2.4 9.2)	1510.0 3.72E-09(2.4 7.3)
1520.0	3.89E-09	(2.4 10.3)	1520.0 3.93E-09(2.4 13.0)
1530.0	3.70E-09	(2.2 19.1)	1530.0 3.58E-09(2.1 21.7)
1540.0	2.94E-09	(2.4 16.7)	1540.0 3.10E-09(2.4 14.8)
1550.0	3.26E-09	(2.5 14.7)	1550.0 3.36E-09(2.6 12.6)
1560.0	3.16E-09	(2.3 19.3)	1560.0 3.03E-09(2.3 21.0)
1570.0	3.00E-09	(2.4 20.2)	1570.0 3.08E-09(2.5 17.1)
1580.0	2.95E-09	(2.8 16.9)	1580.0 2.86E-09(2.8 14.1)
1590.0	2.91E-09	(2.7 18.9)	1590.0 2.98E-09(2.7 20.0)
1600.0	3.27E-09	(2.7 16.7)	1600.0 3.06E-09(2.7 17.6)
1610.0	2.95E-09	(2.7 11.1)	1610.0 2.89E-09(2.7 12.0)
1620.0	2.90E-09	(2.7 13.0)	1620.0 2.90E-09(2.7 11.4)
1630.0	2.81E-09	(2.7 19.1)	1630.0 2.93E-09(2.7 15.4)
1640.0	3.02E-09	(2.6 14.0)	1640.0 3.06E-09(2.6 10.9)
1650.0	2.93E-09	(2.6 12.1)	1650.0 3.00E-09(2.6 11.8)
1660.0	3.06E-09	(2.5 9.0)	1660.0 3.09E-09(2.4 7.4)
1670.0	3.27E-09	(2.3 2.4)	1670.0 3.17E-09(2.3 6.5)
1680.0	3.17E-09	(2.3 2.4)	1680.0 3.09E-09(2.3 6.5)
1690.0	3.55E-09	(2.0 8.8)	1690.0 3.36E-09(2.0 2.8)
1700.0	3.18E-09	(1.9 14.0)	1700.0 3.18E-09(1.8 10.8)
1710.0	3.17E-09	(1.8 2.4)	1710.0 3.09E-09(1.8 4.2)
1720.0	2.92E-09	(1.8 7.1)	1720.0 2.96E-09(1.8 6.9)
1730.0	2.97E-09	(1.8 7.6)	1730.0 3.01E-09(1.8 6.7)
1740.0	3.21E-09	(1.7 12.0)	1740.0 3.24E-09(1.7 11.8)
1750.0	3.27E-09	(1.6 3.8)	1750.0 3.21E-09(1.6 3.8)
1760.0	3.15E-09	(1.6 5.7)	1760.0 3.17E-09(1.6 3.6)
1770.0	2.97E-09	(1.6 2.9)	1770.0 2.98E-09(1.6 5.6)
1780.0	2.96E-09	(1.6 1.6)	1780.0 2.95E-09(1.5 5.7)
1790.0	3.05E-09	(1.5 9.7)	1790.0 3.06E-09(1.5 7.7)
1800.0	3.15E-09	(1.4 9.7)	1800.0 3.24E-09(1.4 2.1)
1810.0	3.28E-09	(1.4 6.4)	1810.0 3.19E-09(1.4 6.7)
1820.0	3.05E-09	(1.4 5.3)	1820.0 3.02E-09(1.4 8.6)
1830.0	3.16E-09	(1.4 7.7)	1830.0 3.34E-09(1.4 3.5)
1840.0	2.96E-09	(1.4 10.4)	1840.0 2.97E-09(1.4 8.5)
1850.0	2.78E-09	(1.3 6.2)	1850.0 2.71E-09(1.3 8.5)
1860.0	2.79E-09	(1.3 13.4)	1860.0 2.67E-09(1.3 15.8)
1870.0	2.42E-09	(1.3 15.1)	1870.0 2.54E-09(1.3 17.7)
1880.0	2.18E-09	(1.3 8.9)	1880.0 2.27E-09(1.3 6.6)
1890.0	2.27E-09	(1.2 15.7)	1890.0 2.12E-09(1.2 16.2)
1900.0	2.13E-09	(1.2 15.5)	1900.0 2.05E-09(1.2 18.2)
1910.0	2.05E-09	(1.1 20.6)	1910.0 1.92E-09(1.1 16.4)
1920.0	1.68E-09	(1.1 19.1)	1920.0 1.66E-09(1.1 19.5)
1930.0	1.74E-09	(1.0 29.7)	1930.0 1.74E-09(1.0 31.1)
1940.0	1.59E-09	(1.0 29.3)	1940.0 1.54E-09(1.0 30.7)
1950.0	1.43E-09	(1.0 33.0)	1950.0 1.45E-09(1.0 30.8)
1960.0	1.25E-09	(1.0 32.6)	1960.0 1.24E-09(1.0 32.7)
1970.0	1.22E-09	(1.0 36.4)	1970.0 1.15E-09(1.0 36.5)
1980.0	1.09E-09	(1.0 40.0)	1980.0 1.09E-09(1.0 42.0)
1990.0	1.05E-09	(1.0 40.6)	1990.0 1.02E-09(1.0 39.3)
2000.0	1.04E-09	(1.0 31.2)	2000.0 1.03E-09(1.0 34.8)
2010.0	8.77E-10	(1.0 41.1)	2010.0 8.81E-10(1.0 41.8)
2020.0	8.72E-10	(1.0 40.3)	2020.0 8.29E-10(1.0 40.4)
2030.0	7.36E-10	(1.0 40.3)	2030.0 7.34E-10(1.0 39.7)
2040.0	7.38E-10	(1.0 40.5)	2040.0 7.40E-10(1.0 40.7)
2050.0	6.49E-10	(1.0 45.6)	2050.0 6.45E-10(1.0 42.5)
2060.0	5.62E-10	(1.0 45.1)	2060.0 5.62E-10(1.0 45.0)
2070.0	5.19E-10	(1.0 55.6)	2070.0 4.96E-10(1.0 57.6)
2080.0	4.74E-10	(1.0 49.4)	2080.0 4.79E-10(1.0 48.2)
2090.0	4.60E-10	(1.0 56.0)	2090.0 4.72E-10(1.0 51.3)
2100.0	4.38E-10	(1.0 53.7)	2100.0 4.39E-10(1.0 53.8)
2110.0	-13(5 20.1)	139	-26(1.1 4.5)
2120.0	16(2.4 7.5)	172	-16(1.8 7.4)
2130.0	1.34(9 37.6)	245E	2.07(1.8 49.5)
2140.0			
2150.0			
2160.0			
2170.0			
2180.0			
2190.0			
2200.0			
2210.0			
2220.0			
2230.0			
2240.0			
2250.0			
2260.0			
2270.0			
2280.0			
2290.0			
2300.0			
2310.0			
2320.0			
2330.0			
2340.0			
2350.0			
2360.0			
2370.0			
2380.0			
2390.0			
2400.0			
2410.0			
2420.0			
2430.0			
2440.0			
2450.0			
2460.0			
2470.0			
2480.0			
2490.0			
2500.0			
2510.0			
2520.0			
2530.0			
2540.0			
2550.0			
2560.0			
2570.0			
2580.0			
2590.0			
2600.0			
2610.0			
2620.0			
2630.0			
2640.0			
2650.0			
2660.0			
2670.0			
2680.0			
2690.0			
2700.0			
2710.0			
2720.0			
2730.0			
2740.0			
2750.0			
2760.0			
2770.0			
2780.0			
2790.0			
2800.0			
2810.0			
2820.0			
2830.0			
2840.0			
2850.0			
2860.0			
2870.0			
2880.0			
2890.0			
2900.0			
2910.0			
2920.0			
2930.0			
2940.0			
2950.0			
2960.0			
2970.0			
2980.0			
2990.0			
3000.0			

X,Y(MM) -16.9 0.0 SL3-189 16 SCANS, T= 226 BET PER WT 1.0, SCALE 1.10  
 X,Y(MM) -16.9 0.0 SL3-190 16 SCANS, T= 77 BET PER WT 1.0, SCALE 1.12  
 X,Y(MM) -16.9 0.0 SL3-191 17 SCANS, T= 29 BET PER WT 1.0, SCALE .78

R = 0.76

HD 20191

HD 20191

HD 20191

LAMBDA, F (WT, SIG) F = AVE FLUX FROM LAM-DEL/2 TO LAM+DEL/2

1975, 0.0000(0.0 0.0)	1980, 0.0000(0.0 0.0)	1985, 3.18E-11(1.6 0.0)	1990, 2.64E-11(1.6 0.0)	1995, 2.80E-11(1.6 0.0)
2000, 3.41E-11(1.6 0.0)	2005, 3.04E-11(1.6 0.0)	2010, 2.73E-11(1.6 0.0)	2015, 3.09E-11(1.6 0.0)	2020, 2.89E-11(1.6 0.0)
2025, 2.49E-11(1.6 0.0)	2030, 2.74E-11(1.6 0.0)	2035, 2.87E-11(1.6 0.0)	2040, 2.71E-11(1.6 0.0)	2045, 2.59E-11(1.6 0.0)
2050, 2.37E-11(1.6 0.0)	2055, 2.19E-11(1.6 0.0)	2060, 2.48E-11(1.6 0.0)	2065, 2.61E-11(1.6 0.0)	2070, 2.42E-11(1.6 0.0)
2075, 2.43E-11(1.6 0.0)	2080, 2.42E-11(1.6 0.0)	2085, 2.13E-11(1.6 0.0)	2090, 1.86E-11(1.6 0.0)	2095, 1.78E-11(1.6 0.0)
2100, 1.81E-11(1.6 0.0)	2105, 1.90E-11(1.6 0.0)	2110, 1.85E-11(1.6 0.0)	2115, 1.72E-11(1.6 0.0)	2120, 1.85E-11(1.6 0.0)
2125, 1.98E-11(1.6 0.0)	2130, 1.87E-11(1.6 0.0)	2135, 1.89E-11(1.6 0.0)	2140, 1.85E-11(1.6 0.0)	2145, 1.86E-11(1.6 0.0)
2150, 1.89E-11(1.6 0.0)	2155, 1.95E-11(1.6 0.0)	2160, 1.82E-11(1.6 0.0)	2165, 1.70E-11(1.6 0.0)	2170, 1.77E-11(1.6 2.8)
2175, 1.85E-11(1.6 4.2)	2180, 1.76E-11(1.6 5.8)	2185, 1.55E-11(1.6 6.7)	2190, 1.39E-11(1.6 4.8)	2195, 1.35E-11(1.6 3.1)
2200, 1.44E-11(1.7 4.0)	2205, 1.61E-11(1.7 5.6)	2210, 1.62E-11(1.7 7.9)	2215, 1.40E-11(1.7 8.4)	2220, 1.22E-11(1.7 7.4)
2225, 1.28E-11(1.7 7.5)	2230, 1.46E-11(1.8 6.8)	2235, 1.58E-11(1.8 2.6)	2240, 1.59E-11(1.9 3.3)	2245, 1.59E-11(1.9 9.9)
2250, 1.61E-11(1.9 5.5)	2255, 1.57E-11(1.0 4.4)	2260, 1.49E-11(1.9 2.8)	2265, 1.46E-11(1.9 4.5)	2270, 1.51E-11(1.9 5.5)
2275, 1.56E-11(1.1 5.4)	2280, 1.56E-11(1.1 7.7)	2285, 1.52E-11(1.1 8.4)	2290, 1.51E-11(1.2 13.2)	2295, 1.53E-11(1.2 20.2)
2300, 1.56E-11(1.2 23.1)	2305, 1.52E-11(1.2 18.1)	2310, 1.41E-11(1.1 10.2)	2315, 1.35E-11(1.1 4.9)	0.0000(0.0 0.0)
2320, 1.55E-11(1.2 22.3)	2330, 1.42E-11(1.2 10.5)	2340, 1.35E-11(1.1 3.8)	2350, 1.41E-11(1.1 8.8)	2360, 1.55E-11(1.2 5.9)
2370, 1.52E-11(1.2 7.1)	2380, 1.50E-11(1.2 9.9)	2390, 1.59E-11(1.2 5.1)	2400, 1.59E-11(1.2 6.0)	2410, 1.47E-11(1.2 2.3)
2420, 1.42E-11(1.2 9.2)	2430, 1.55E-11(1.2 11.4)	2440, 1.66E-11(1.2 17.7)	2450, 1.59E-11(1.2 21.7)	2460, 1.52E-11(1.1 21.3)
2470, 1.42E-11(1.1 21.5)	2480, 1.31E-11(1.1 25.0)	2490, 1.36E-11(1.1 23.0)	2500, 1.54E-11(1.2 16.1)	2510, 1.65E-11(1.2 14.4)
2520, 1.65E-11(1.2 16.0)	2530, 1.55E-11(1.2 16.9)	2540, 1.55E-11(1.2 15.6)	2550, 1.72E-11(1.2 9.4)	2560, 1.88E-11(1.2 3.2)
2570, 1.87E-11(1.2 2.4)	2580, 1.77E-11(1.2 3.0)	2590, 1.75E-11(1.2 1.4)	2600, 1.78E-11(1.2 7.7)	2610, 1.78E-11(1.2 2.1)
2620, 1.77E-11(1.2 1.1)	2630, 1.74E-11(1.2 2.0)	2640, 1.72E-11(1.2 2.3)	2650, 1.74E-11(1.2 1.1)	2660, 1.78E-11(1.2 2.1)
2670, 1.84E-11(1.2 5.7)	2680, 1.91E-11(1.2 9.8)	2690, 1.97E-11(1.2 13.9)	2700, 1.96E-11(1.2 14.3)	2710, 1.89E-11(1.2 9.9)
2720, 1.85E-11(1.2 2.4)	2730, 1.85E-11(1.2 2.2)	2740, 1.83E-11(1.2 2.1)	2750, 1.79E-11(1.2 3.5)	2760, 1.77E-11(1.2 3.8)
2770, 1.73E-11(1.2 4.1)	2780, 1.69E-11(1.2 6.2)	2790, 1.65E-11(1.2 8.0)	2800, 1.66E-11(1.2 9.2)	2810, 1.70E-11(1.2 9.7)
2820, 1.73E-11(1.2 6.9)	2830, 1.75E-11(1.1 6.6)	2840, 1.74E-11(1.1 5.4)	2850, 1.74E-11(1.1 7.7)	2860, 1.77E-11(1.1 5.8)
2870, 1.79E-11(1.1 3.2)	2880, 1.78E-11(1.1 2.1)	2890, 1.76E-11(1.1 2.5)	2900, 1.75E-11(1.1 2.2)	2910, 1.76E-11(1.1 1.6)
2920, 1.79E-11(1.1 1.1)	2930, 1.81E-11(1.1 2.9)	2940, 1.83E-11(1.1 6.2)	2950, 1.82E-11(1.1 8.4)	2960, 1.75E-11(1.1 7.4)
2970, 1.67E-11(1.1 5.2)	2980, 1.59E-11(1.1 2.8)	2990, 1.56E-11(1.1 3.1)	3000, 1.58E-11(1.1 5.7)	3010, 1.62E-11(1.1 7.1)
3020, 1.65E-11(1.1 6.2)	3030, 1.66E-11(1.1 3.1)	3040, 1.66E-11(1.0 4.4)	3050, 1.67E-11(1.0 1.1)	0.0000(0.0 0.0)
3060, 1.65E-11(1.0 5.5)	3070, 1.66E-11(1.0 4.4)	3080, 1.68E-11(1.0 1.1)	3090, 1.70E-11(1.0 6.0)	3100, 1.72E-11(1.0 8.0)
3110, 1.74E-11(1.0 6.2)	3120, 1.71E-11(1.0 4.0)	3130, 1.64E-11(1.0 5.5)	3140, 1.61E-11(1.0 9.2)	3150, 1.62E-11(1.0 11.6)
3160, 1.63E-11(1.0 8.5)	3170, 1.63E-11(1.0 3.4)	3180, 1.60E-11(1.0 9.9)	3190, 1.57E-11(1.0 9.9)	3200, 1.60E-11(1.0 1.5)
3210, 1.60E-11(1.0 3.3)	3220, 1.50E-11(1.0 4.1)	3230, 1.41E-11(1.0 2.2)	3240, 1.38E-11(1.0 1.3)	3250, 1.42E-11(1.0 4.8)
3260, 1.45E-11(1.0 5.1)	3270, 1.41E-11(1.0 1.0)	3280, 1.38E-11(1.0 3.3)	3290, 1.36E-11(1.0 3.0)	3300, 1.33E-11(1.0 3.3)
3310, 1.27E-11(1.0 7.7)	3320, 1.22E-11(1.0 2.6)	3330, 1.19E-11(1.0 6.5)	3340, 1.14E-11(1.0 7.7)	3350, 1.09E-11(1.0 6.8)
3360, 1.03E-11(1.0 6.0)	3370, 9.80E-12(1.0 5.2)	3380, 9.55E-12(1.0 4.2)	3390, 9.68E-12(1.0 2.9)	3400, 9.97E-12(1.0 2.1)
3410, 1.05E-11(1.0 4.6)	3420, 1.09E-11(1.0 8.6)	3430, 1.14E-11(1.0 12.7)	3440, 1.18E-11(1.0 15.1)	3450, 1.20E-11(1.0 13.7)
3460, 1.20E-11(1.0 9.1)	3470, 1.19E-11(1.0 4.1)	3480, 1.18E-11(1.0 7.9)	3490, 1.17E-11(1.0 4.3)	3500, 1.17E-11(1.0 5.0)
3510, 1.18E-11(1.0 6.4)	3520, 1.19E-11(1.0 3.3)	3530, 1.21E-11(1.0 1.3)	3540, 1.24E-11(1.0 5.1)	3550, 1.27E-11(1.0 5.4)
3560, 1.29E-11(1.0 5.3)	3570, 1.29E-11(1.0 5.8)	3580, 1.30E-11(1.0 1.5)	3590, 1.27E-11(1.0 1.7)	3600, 1.25E-11(1.0 4.0)
3610, 1.22E-11(1.0 5.0)	3620, 1.20E-11(1.0 5.0)	3630, 1.18E-11(1.0 5.0)	0.0000(0.0 0.0)	0.0000(0.0 0.0)
135, 0.0000(0.0 0.0)	139, 0.0000(0.0 0.0)	148, 0.0000(0.0 0.0)	154, 0.0000(0.0 0.0)	161, 0.0000(0.0 0.0)
166, 0.0000(0.0 0.0)	172, 0.0000(0.0 0.0)	181, 0.0000(0.0 0.0)	192, 0.0000(0.0 0.0)	204, 0.0000(0.0 0.0)
219, 5.87(1.7 0.0)	245, 5.90(1.2 9.0)	280, 5.79(1.1 3.0)	360, 6.17(1.9 0.7)	0.0000(0.0 0.0)

X,Y(NM) -4 2.2 SL4- 3 18 SCANS, T= 222 HD 20191 WT .6, SCALE .97

X,Y(NM) -4 2.2 SL4- 4 13 SCANS, T= 77: HD 20191 WT .6, SCALE 1.04

R = 0.36:

LAMBDA	F	(WT, SIG)	F = AVE FLUX FROM LAM-DEL/2 TO LAM+DEL/2											
1825	0	(0.0 0.0)	1830	0	(0.0 0.0)	1835	0	(0.0 0.0)	1840	3.71E-11	(.5 0.0)	1845	3.70E-11	(.6 0.0)
1850	3.49E-11	(.6 0.0)	1855	3.40E-11	(.6 0.0)	1860	3.55E-11	(.6 0.0)	1865	3.43E-11	(.6 0.0)	1870	3.38E-11	(.7 0.0)
1875	3.86E-11	(.7 0.0)	1880	4.05E-11	(.7 0.0)	1885	3.24E-11	(.7 0.0)	1890U	2.88E-11	(.6 2.1)	1895	3.27E-11	(.6 9.5)
1900U	2.72E-11	(.6 13.0)	1905U	2.95E-11	(.7 8.4)	1910U	3.25E-11	(.7 14.7)	1915	3.16E-11	(.8 22.9)	1920	3.27E-11	(.9 21.6)
1925	3.78E-11	(.1 14.9)	1930	3.88E-11	(.2 11.7)	1935	3.29E-11	(.1 14.1)	1940	3.23E-11	(.1 8.3)	1945	3.43E-11	(.1 3.3)
1950U	2.94E-11	(.1 6.6)	1955	2.86E-11	(.1 16.7)	1960	3.39E-11	(.3 16.8)	1965	3.49E-11	(.3 18.6)	1970	3.26E-11	(.3 11.2)
1975	2.79E-11	(.2 .9)	1980U	2.10E-11	(.8 .3)	1985U	2.03E-11	(.8 17.3)	1990	2.48E-11	(.9 27.5)	1995	2.60E-11	(.1 21.2)
2000	2.79E-11	(.3 10.0)	2005	2.94E-11	(.4 11.8)	2010	2.84E-11	(.4 13.4)	2015	2.59E-11	(.3 6.8)	2020	2.29E-11	(.2 2.4)
2025	2.23E-11	(.3 9.8)	2030	2.42E-11	(.3 10.1)	2035	2.45E-11	(.3 3.1)	2040	2.38E-11	(.3 11.6)	2045	2.41E-11	(.3 5.4)
2050	2.49E-11	(.3 .8)	2055	2.41E-11	(.4 1.2)	2060	2.29E-11	(.4 2.7)	2065	2.34E-11	(.5 7.9)	2070	2.61E-11	(.1 12.0)
2075	2.83E-11	(.7 11.0)	2080	2.85E-11	(.7 8.3)	2085	2.81E-11	(.7 5.5)	2090	2.88E-11	(.8 7.5)	2095	2.98E-11	(.2 10.0)
2100	2.85E-11	(.2 7.0)	2105	2.78E-11	(.9 5.7)	2110	2.85E-11	(.2 10.7)	2115	2.86E-11	(.2 13.1)	2120	2.84E-11	(.2 6.5)
2125	2.81E-11	(.9 .6)	2130	2.77E-11	(.9 2.9)	2135	2.72E-11	(.9 .3)	2140	2.69E-11	(.2 5.7)	2145	2.68E-11	(.2 8.6)
2150	2.67E-11	(.2 6.4)	2155	2.68E-11	(.2 0.1)	2160	2.66E-11	(.2 3.4)	2165	2.58E-11	(.2 3.5)	2170	2.43E-11	(.2 1.5)
2175	2.35E-11	(.2 1.2)	2180	2.36E-11	(.2 5.3)	2185	2.42E-11	(.2 2.8)	2190	2.44E-11	(.2 3.3)	2195	2.40E-11	(.2 3.1)
2200	2.33E-11	(.2 5.2)	2205	2.35E-11	(.2 5.6)	2210	2.44E-11	(.2 5.6)	2215	2.50E-11	(.2 6.1)	2220	2.43E-11	(.2 4.4)
2225	2.32E-11	(.2 5.0)	2230	2.28E-11	(.9 2.6)	2235	2.33E-11	(.9 3.5)	2240	2.42E-11	(.9 4.2)	2245	2.43E-11	(.9 4.8)
2250	2.36E-11	(.9 6.7)	2255	2.30E-11	(.9 8.7)	2260	2.32E-11	(.9 10.9)	2265	2.37E-11	(.9 11.2)	2270	2.40E-11	(.9 9.2)
2275	2.44E-11	(.9 4.8)	2280	2.51E-11	(.9 .1)	2285	2.57E-11	(.9 1.8)	2290	2.55E-11	(.9 .8)	2295	2.50E-11	(.8 2.6)
2300	2.49E-11	(.8 7.4)	2305	2.51E-11	(.8 10.4)	2310	2.53E-11	(.8 9.2)	2315	2.53E-11	(.8 6.0)	2320	2.53E-11	(.8 0.0)
2330	2.49E-11	(.8 7.2)	2335	2.53E-11	(.8 9.2)	2340	2.53E-11	(.8 5.0)	2345	2.39E-11	(.8 7.3)	2350	2.20E-11	(.8 7.3)
2355	2.04E-11	(.8 7.7)	2360	1.95E-11	(.8 9.6)	2365	1.98E-11	(.8 8.3)	2370	2.02E-11	(.8 4.3)	2375	2.00E-11	(.8 2.0)
2380	2.00E-11	(.8 5.3)	2385	2.02E-11	(.8 10.0)	2390	1.96E-11	(.8 7.8)	2395	1.91E-11	(.8 5.0)	2400	1.93E-11	(.8 6.3)
2405	1.99E-11	(.8 7.5)	2410	2.04E-11	(.8 4.1)	2415	2.05E-11	(.8 .6)	2420	2.12E-11	(.8 2.2)	2425	2.20E-11	(.8 3.0)
2430	2.21E-11	(.7 2.8)	2435	2.18E-11	(.7 2.3)	2440	2.16E-11	(.7 2.7)	2445	2.15E-11	(.7 2.9)	2450	2.13E-11	(.7 1.5)
2455	2.10E-11	(.7 1.0)	2460	2.10E-11	(.7 1.5)	2465	2.11E-11	(.7 .5)	2470	2.12E-11	(.7 7.3)	2475	2.10E-11	(.7 3.5)
2480	2.10E-11	(.7 2.3)	2485	2.11E-11	(.7 .2)	2490	2.15E-11	(.7 .6)	2495	2.18E-11	(.6 2.5)	2500	2.19E-11	(.6 7.0)
2505	2.26E-11	(.6 8.6)	2510	2.38E-11	(.6 6.7)	2515	2.45E-11	(.5 4.3)	2520	2.44E-11	(.5 3.7)	2525	2.41E-11	(.5 4.3)
2525	2.37E-11	(.5 4.8)	2530	2.34E-11	(.5 5.6)	2535	2.35E-11	(.5 6.7)	2540	2.33E-11	(.5 7.3)	2545	2.31E-11	(.5 12.5)
2550	2.27E-11	(.5 14.1)	2555	2.25E-11	(.5 12.2)	2560	2.24E-11	(.5 8.7)	2565	2.24E-11	(.5 6.8)	2570	2.23E-11	(.5 7.0)
2575	2.25E-11	(.5 8.0)	2580	2.29E-11	(.5 8.6)	2585	2.32E-11	(.4 8.5)	2590	2.34E-11	(.4 8.4)	2595	2.34E-11	(.4 9.2)
2600	2.36E-11	(.4 10.6)	2605	2.41E-11	(.4 10.9)	2610	2.47E-11	(.4 9.5)	2615	2.53E-11	(.3 7.1)	2620	2.59E-11	(.3 5.2)
2625	2.64E-11	(.3 4.0)	2630	2.69E-11	(.3 3.5)	2635	2.72E-11	(.3 4.1)	2640	2.71E-11	(.2 6.0)	2645	2.68E-11	(.2 8.5)
2650	2.63E-11	(.2 10.5)	2655	2.59E-11	(.2 11.5)	2660	2.57E-11	(.2 11.0)	2665	2.55E-11	(.2 10.2)	2670	2.53E-11	(.2 9.1)
2675	2.52E-11	(.2 7.8)	2680	2.54E-11	(.2 6.5)	2685	2.59E-11	(.2 5.1)	2690	2.65E-11	(.2 4.2)	2695	2.65E-11	(.2 0.0)
2700	2.53E-11	(.2 7.9)	2705	2.59E-11	(.2 5.1)	2710	2.69E-11	(.2 4.4)	2715	2.72E-11	(.1 6.5)	2720	2.70E-11	(.1 8.2)
2725	2.69E-11	(.1 8.5)	2730	2.78E-11	(.1 6.5)	2735	2.78E-11	(.1 2.8)	2740	2.93E-11	(.1 0.6)	2745	3.08E-11	(.1 0.6)
2750	3.10E-11	(.1 0.7)	2755	3.02E-11	(.1 0.2)	2760	2.99E-11	(.1 1.5)	2765	3.04E-11	(.1 4.3)	2770	3.08E-11	(.1 0.8)
2775	3.07E-11	(.9 10.5)	2780	3.06E-11	(.9 6.3)	2785	3.08E-11	(.9 .8)	2790	3.06E-11	(.9 4.9)	2795	2.97E-11	(.9 4.1)
2800	2.85E-11	(.9 .3)	2805	2.74E-11	(.1 0.2)	2810	2.68E-11	(.1 1.8)	2815	2.61E-11	(.1 1.2)	2820	2.53E-11	(.1 1.6)
2825	2.43E-11	(.1 0.2)	2830	2.35E-11	(.1 0.1)	2835	2.28E-11	(.1 0.2)	2840	2.21E-11	(.1 1.6)	2845	2.13E-11	(.1 0.2)
2850	2.06E-11	(.1 0.2)	2855	2.03E-11	(.1 3.7)	2860	2.03E-11	(.1 5.2)	2865	2.06E-11	(.1 6.6)	2870	2.12E-11	(.1 0.7)
2875	2.17E-11	(.1 0.8)	2880	2.22E-11	(.1 0.9)	2885	2.29E-11	(.1 10.6)	2890	2.37E-11	(.1 11.5)	2895	2.48E-11	(.1 11.7)
2900	2.59E-11	(.9 11.6)	2905	2.71E-11	(.9 10.3)	2910	2.83E-11	(.9 8.5)	2915	2.97E-11	(.9 6.1)	2920	3.11E-11	(.9 3.4)
2925	3.27E-11	(.8 .9)	2930	3.45E-11	(.8 1.5)	2935	3.63E-11	(.8 3.4)	2940	3.79E-11	(.8 4.9)	2945	3.94E-11	(.8 5.4)
2950	4.09E-11	(.8 5.2)	2955	4.25E-11	(.8 3.7)	2960	4.39E-11	(.8 2.0)	2965	4.54E-11	(.8 0.0)	2970	4.66E-11	(.8 1.3)
2975	4.77E-11	(.8 1.9)	2980	4.83E-11	(.8 1.2)	2985	4.85E-11	(.8 .6)	2990	4.84E-11	(.8 2.5)	2995	4.77E-11	(.9 4.2)
3000	4.77E-11	(.8 1.9)	3005	4.83E-11	(.8 1.2)	3010	4.85E-11	(.8 .6)	3015	4.84E-11	(.8 2.5)	3020	4.77E-11	(.9 4.2)
3025	4.77E-11	(.8 1.9)	3030	4.83E-11	(.8 1.2)	3035	4.85E-11	(.8 .6)	3040	4.84E-11	(.8 2.5)	3045	4.77E-11	(.9 4.2)
3050	4.77E-11	(.8 1.9)	3055	4.83E-11	(.8 1.2)	3060	4.85E-11	(.8 .6)	3065	4.84E-11	(.8 2.5)	3070	4.77E-11	(.9 4.2)
3075	4.77E-11	(.8 1.9)	3080	4.83E-11	(.8 1.2)	3085	4.85E-11	(.8 .6)	3090	4.84E-11	(.8 2.5)	3095	4.77E-11	(.9 4.2)
3100	4.77E-11	(.8 1.9)	3105	4.83E-11	(.8 1.2)	3110	4.85E-11	(.8 .6)	3115	4.84E-11	(.8 2.5)	3120	4.77E-11	(.9 4.2)
3125	4.77E-11	(.8 1.9)	3130	4.83E-11	(.8 1.2)	3135	4.85E-11	(.8 .6)	3140	4.84E-11	(.8 2.5)	3145	4.77E-11	(.9 4.2)
3150	4.77E-11	(.8 1.9)	3155	4.83E-11	(.8 1.2)	3160	4.85E-11	(.8 .6)	3165	4.84E-11	(.8 2.5)	3170	4.77E-11	(.9 4.2)
3175	4.77E-11	(.8 1.9)	3180	4.83E-11	(.8 1.2)	3185	4.85E-11	(.8 .6)	3190	4.84E-11	(.8 2.5)	3195	4.77E-11	(.9 4.2)
3200	4.77E-11	(.8 1.9)	3205	4.83E-11	(.8 1.2)	3210	4.85E-11	(.8 .6)	3215	4.84E-11	(.8 2.5)	3220	4.77E-11	(.9 4.2)
3225	4.77E-11	(.8 1.9)	3230	4.83E-11	(.8 1.2)	3235	4.85E-11	(.8 .6)	3240	4.84E-11	(.8 2.5)	3245	4.77E-11	(.9 4.2)
3250	4.77E-11	(.8 1.9)	3255	4.83E-11	(.8 1.2)	3260	4.85E-11	(.8 .6)	3265	4.84E-11	(.8 2.5)	3270	4.77E-11	(.9 4.2)
3275	4.77E-11	(.8 1.9)	3280	4.83E-11	(.8 1.2)	3285	4.85E-11	(.8 .6)	3290	4.84E-11	(.8 2.5)	3295	4.77E-11	(.9 4.2)
3300	4.77E-11	(.8 1.9)	3305	4.83E-11	(.8 1.2)	3310	4.85E-11	(.8 .6)	3315	4.84E-11	(.8 2.5)	3320	4.77E-11	(.9 4.2)
3325	4.77E-11	(.8 1.9)	3330	4.83E-11	(.8 1.2)	3335	4.85E-11	(.8 .6)	3340	4.84E-11	(.8 2.5)	3345	4.77E-11	(.9 4.2)
3350	4.77E-11	(.8 1.9)	3355	4.83E-11	(.8 1.2)	3360	4.85E-11	(.8 .6)	3365	4.84E-11	(.8 2.5)	3370	4.77E-11	(.9 4.2)
3375	4.77E-11	(.8 1.9)	3380	4.83E-11	(.8 1.2)	3385	4.85E-11	(.8 .6)	3390	4.84E-11	(.8 2.5)	3395	4.77E-11	(.9 4.2)
3400	4.77E-11	(.8 1.9)	3405	4.83E-11	(.8 1.2)	3410	4.85E-11	(.8 .6)	3415	4.84E-11	(.8 2.5)	3420	4.77E-11	(.9 4.2)
3425	4.77E-11	(.8 1.9)	3430	4.83E-11	(.8 1.2)	3435	4.85E-11	(.8 .6)	3440	4.84E-11	(.8 2.5)	3445	4.77E-11	(.9 4.2)
3450	4.77E-11	(.8 1.9)	3455	4.83E-11	(.8 1.2)	3460	4.85E-11	(.8 .6)	3465	4.84E-11	(.8 2.5)	3470	4.77E-11	(.9 4.2)
3475	4.77E-11	(.8 1.9)	3480	4.83E-11	(.8 1.2)	3485	4.85E-11	(.8 .6)	3490	4.84E-11	(.8 2.5)	3495	4.77E-11	(.9 4.2)
3500	4.77E-11	(.8 1.9)	3505	4.83E-11	(.8 1.2)	3510	4.85E-11	(.8 .6)	3515	4.84E-11	(.8 2.5)	3520	4.77E-11	(.9 4.2)
3525	4.77E-11	(.8 1.9)	3530	4.83E-11	(.8 1.2)	3535	4.85E-11	(.8 .6)	3540	4.84E-11	(.8 2.5)	3545	4.77E-11	(.9 4.2)
3550	4.77E-11	(.8 1.9)	3555	4.83E-11	(.8 1.2)	3560	4.85E-11	(.8 .6)	3565	4.84E-11	(.8 2.5)	3570	4.77E-11	(.9 4.2)
3575	4.77E-11	(.8 1.9)	3580	4.83E-11	(.8 1.2)	3585	4.85E-11	(.8 .6)	3590	4.84E-11	(.8 2.5)	3595	4.77E-11	(.9 4.2)
3600	4.77E-11	(.8 1.9)	3605	4.83E-11	(.8 1.2)	3610	4.85E-11	(.8 .6)	3615	4.84E-11	(.8 2.5)	3620		

LAMBDA, F (WT, S(G))			F = AVE FLUX FROM LAM-DEL/2 TO LAM+DEL/2											
1900U	2.24E-11	(2.27.2)	1905U	1.88E-11	(.2 17.6)	1910U	2.27E-11	(.2 14.9)	1915U	2.30E-11	(.2 14.4)	1920U	1.87E-11	(.3 5.2)
1925U	2.82E-11	(.4 10.8)	1930U	3.64E-11	(.6 13.8)	1935U	3.02E-11	(.5 4.5)	1940U	2.46E-11	(.5 19.5)	1945U	2.52E-11	(.5 16.2)
1950U	2.97E-11	(.6 6.9)	1955U	3.13E-11	(.8 6.9)	1960U	3.65E-11	(.8 .1)	1965U	3.04E-11	(.9 11.2)	1970U	3.04E-11	(.9 1.5)
1975U	3.44E-11	(.9 9.7)	1980U	3.60E-11	(1.0 28.2)	1985U	3.43E-11	(1.1 34.3)	1990U	3.51E-11	(1.2 25.2)	1995U	3.95E-11	(1.4 18.9)
2000U	4.04E-11	(1.7 21.3)	2005U	4.03E-11	(1.7 20.9)	2010U	4.07E-11	(1.7 18.6)	2015U	4.04E-11	(1.7 15.8)	2020U	3.84E-11	(1.7 19.7)
2025U	3.98E-11	(1.7 14.9)	2030U	4.27E-11	(1.8 7.8)	2035U	4.35E-11	(1.8 13.7)	2040U	4.32E-11	(2.0 14.9)	2045U	4.11E-11	(1.8 9.6)
2050U	4.06E-11	(1.8 6.3)	2055U	4.10E-11	(1.8 5.2)	2060U	4.18E-11	(1.8 4.4)	2065U	4.19E-11	(1.9 5.6)	2070U	4.19E-11	(1.9 7.9)
2075U	4.28E-11	(1.9 8.3)	2080U	4.35E-11	(1.9 9.0)	2085U	4.42E-11	(1.9 11.7)	2090U	4.52E-11	(1.9 12.2)	2095U	4.50E-11	(1.9 3.6)
2100U	4.38E-11	(1.9 10.1)	2105U	4.43E-11	(1.9 12.1)	2110U	4.49E-11	(1.9 13.0)	2115U	4.39E-11	(1.9 13.1)	2120U	4.25E-11	(1.8 10.9)
2125U	4.17E-11	(1.8 6.8)	2130U	4.35E-11	(1.8 5.5)	2135U	4.12E-11	(1.8 4.0)	2140U	4.12E-11	(1.8 7.7)	2145U	4.08E-11	(1.8 4.6)
2150U	4.07E-11	(1.8 4.8)	2155U	4.12E-11	(1.8 2.9)	2160U	4.16E-11	(1.8 1.8)	2165U	4.12E-11	(1.8 2.7)	2170U	4.05E-11	(1.8 3.5)
2175U	4.00E-11	(1.8 3.5)	2180U	4.01E-11	(1.8 4.2)	2185U	4.16E-11	(1.8 6.8)	2190U	4.36E-11	(1.7 7.8)	2195U	4.48E-11	(1.7 6.0)
2200U	4.47E-11	(1.7 2.1)	2205U	4.44E-11	(1.7 .3)	2210U	4.43E-11	(1.7 2.2)	2215U	4.41E-11	(1.7 4.4)	2220U	4.33E-11	(1.7 4.2)
2225U	4.23E-11	(1.7 2.4)	2230U	4.21E-11	(1.7 1.5)	2235U	4.27E-11	(1.7 1.8)	2240U	4.35E-11	(1.7 1.6)	2245U	4.37E-11	(1.7 .1)
2250U	4.32E-11	(1.7 1.4)	2255U	4.26E-11	(1.7 2.7)	2260U	4.23E-11	(1.7 2.5)	2265U	4.21E-11	(1.7 2.2)	2270U	4.23E-11	(1.7 2.2)
2275U	4.29E-11	(1.7 1.4)	2280U	4.39E-11	(1.6 4.8)	2285U	4.46E-11	(1.6 4.8)	2290U	4.48E-11	(1.6 4.8)	2295U	4.38E-11	(1.6 4.6)
2300U	4.22E-11	(1.6 4.4)	2305U	4.04E-11	(1.6 3.1)	2310U	3.94E-11	(1.6 2.4)	2315U	3.97E-11	(1.6 2.9)	2320U	0.	(0.0 0.0)
2330U	4.21E-11	(1.6 3.9)	2331U	3.96E-11	(1.6 2.7)	2332U	4.02E-11	(1.6 3.6)	2333U	4.04E-11	(1.6 3.0)	2340U	4.05E-11	(1.6 2.9)
2350U	3.88E-11	(1.6 3.1)	2360U	3.76E-11	(1.6 5.6)	2370U	3.72E-11	(1.6 5.8)	2380U	3.57E-11	(1.6 3.3)	2390U	3.44E-11	(1.6 2.9)
2400U	3.47E-11	(1.6 3.8)	2410U	3.56E-11	(1.6 2.1)	2420U	3.67E-11	(1.5 2.9)	2430U	3.79E-11	(1.5 4.3)	2440U	3.90E-11	(1.5 3.2)
2450U	3.98E-11	(1.4 2.6)	2460U	4.06E-11	(1.4 5.1)	2470U	4.12E-11	(1.4 6.6)	2480U	4.22E-11	(1.3 7.1)	2490U	4.24E-11	(1.3 6.7)
2500U	4.29E-11	(1.3 5.5)	2510U	4.38E-11	(1.3 4.8)	2520U	4.31E-11	(1.3 4.5)	2530U	4.19E-11	(1.3 3.3)	2540U	4.24E-11	(1.3 5.2)
2550U	4.47E-11	(1.2 7.1)	2560U	4.57E-11	(1.2 3.6)	2570U	4.64E-11	(1.2 .9)	2580U	4.71E-11	(1.2 1.3)	2590U	4.73E-11	(1.2 2.6)
2600U	4.66E-11	(1.2 5.1)	2610U	4.67E-11	(1.1 3.2)	2620U	4.81E-11	(1.1 1.0)	2630U	5.03E-11	(1.1 2.2)	2640U	5.11E-11	(1.1 4.4)
2650U	5.05E-11	(1.0 .9)	2660U	5.01E-11	(1.0 .1)	2670U	5.09E-11	(1.0 .4)	2680U	5.30E-11	(1.0 8)	2690U	5.45E-11	(1.0 2.6)
2700U	5.56E-11	(.9 5.4)	2710U	5.66E-11	(.9 5.5)	2720U	5.77E-11	(.9 5.5)	2730U	5.87E-11	(.9 5.7)	2740U	5.95E-11	(.9 6.2)
2750U	5.88E-11	(.9 7.2)	2760U	5.78E-11	(.9 7.3)	2770U	5.70E-11	(.8 7.8)	2780U	5.69E-11	(.8 7.6)	2790U	5.68E-11	(.8 5.2)
2800U	5.75E-11	(.8 4.6)	2810U	5.91E-11	(.8 5.9)	2820U	6.05E-11	(.8 6.7)	2830U	6.09E-11	(.8 5.3)	2840U	6.04E-11	(.7 1.2)
2850U	5.99E-11	(.7 3.7)	2860U	6.05E-11	(.7 6.7)	2870U	6.29E-11	(.7 6.6)	2880U	6.54E-11	(.6 4.5)	2890U	6.77E-11	(.6 3.1)
2900U	6.91E-11	(.6 2.0)	2910U	6.98E-11	(.6 3.4)	2920U	6.97E-11	(.5 4.5)	2930U	6.99E-11	(.5 5.3)	2940U	7.12E-11	(.5 5.0)
2950U	7.26E-11	(.5 4.9)	2960U	7.25E-11	(.5 5.5)	2970U	7.33E-11	(.4 5.8)	2980U	7.36E-11	(.4 6.1)	2990U	7.40E-11	(.4 4.8)
3000U	7.58E-11	(.4 4.8)	3010U	7.79E-11	(.4 3.9)	3020U	7.96E-11	(.4 3.2)	3030U	8.10E-11	(.3 3.0)	3040U	8.25E-11	(.3 0.0)
3060U	8.30E-11	(.3 0.0)	3070U	8.30E-11	(.3 0.0)	3080U	8.30E-11	(.3 0.0)	3090U	8.30E-11	(.3 0.0)	3100U	8.30E-11	(.3 0.0)
3120U	8.01E-11	(.3 0.0)	3130U	8.01E-11	(.3 0.0)	3140U	8.29E-11	(.3 0.0)	3150U	8.84E-11	(.3 0.0)	3160U	9.19E-11	(.2 0.0)
3180U	9.19E-11	(.2 0.0)	3190U	9.19E-11	(.2 0.0)	3200U	9.12E-11	(.2 0.0)	3210U	9.49E-11	(.2 0.0)	3220U	1.00E-10	(.2 0.0)
3240U	1.04E-10	(.2 0.0)	3250U	1.04E-10	(.2 0.0)	3260U	1.05E-10	(.2 0.0)	3270U	1.04E-10	(.2 0.0)	3280U	1.04E-10	(.2 0.0)
3300U	1.04E-10	(.2 0.0)	3310U	1.04E-10	(.2 0.0)	3320U	9.63E-11	(.2 0.0)	3330U	9.63E-11	(.2 0.0)	3340U	9.63E-11	(.2 0.0)
3360U	8.32E-11	(.2 0.0)	3370U	8.32E-11	(.2 0.0)	3380U	8.32E-11	(.2 0.0)	3390U	8.32E-11	(.2 0.0)	3400U	8.32E-11	(.2 0.0)
3420U	7.93E-11	(.2 0.0)	3430U	7.93E-11	(.2 0.0)	3440U	7.93E-11	(.2 0.0)	3450U	7.93E-11	(.2 0.0)	3460U	7.93E-11	(.2 0.0)
3480U	7.93E-11	(.2 0.0)	3490U	7.93E-11	(.2 0.0)	3500U	7.93E-11	(.2 0.0)	3510U	7.93E-11	(.2 0.0)	3520U	7.93E-11	(.2 0.0)
3540U	7.93E-11	(.2 0.0)	3550U	7.93E-11	(.2 0.0)	3560U	7.93E-11	(.2 0.0)	3570U	7.93E-11	(.2 0.0)	3580U	7.93E-11	(.2 0.0)
3600U	7.93E-11	(.2 0.0)	3610U	7.93E-11	(.2 0.0)	3620U	7.93E-11	(.2 0.0)	3630U	7.93E-11	(.2 0.0)	3640U	7.93E-11	(.2 0.0)
3660U	7.93E-11	(.2 0.0)	3670U	7.93E-11	(.2 0.0)	3680U	7.93E-11	(.2 0.0)	3690U	7.93E-11	(.2 0.0)	3700U	7.93E-11	(.2 0.0)
3720U	7.93E-11	(.2 0.0)	3730U	7.93E-11	(.2 0.0)	3740U	7.93E-11	(.2 0.0)	3750U	7.93E-11	(.2 0.0)	3760U	7.93E-11	(.2 0.0)
3780U	7.93E-11	(.2 0.0)	3790U	7.93E-11	(.2 0.0)	3800U	7.93E-11	(.2 0.0)	3810U	7.93E-11	(.2 0.0)	3820U	7.93E-11	(.2 0.0)
3840U	7.93E-11	(.2 0.0)	3850U	7.93E-11	(.2 0.0)	3860U	7.93E-11	(.2 0.0)	3870U	7.93E-11	(.2 0.0)	3880U	7.93E-11	(.2 0.0)
3900U	7.93E-11	(.2 0.0)	3910U	7.93E-11	(.2 0.0)	3920U	7.93E-11	(.2 0.0)	3930U	7.93E-11	(.2 0.0)	3940U	7.93E-11	(.2 0.0)
3960U	7.93E-11	(.2 0.0)	3970U	7.93E-11	(.2 0.0)	3980U	7.93E-11	(.2 0.0)	3990U	7.93E-11	(.2 0.0)	4000U	7.93E-11	(.2 0.0)
4020U	7.93E-11	(.2 0.0)	4030U	7.93E-11	(.2 0.0)	4040U	7.93E-11	(.2 0.0)	4050U	7.93E-11	(.2 0.0)	4060U	7.93E-11	(.2 0.0)
4080U	7.93E-11	(.2 0.0)	4090U	7.93E-11	(.2 0.0)	4100U	7.93E-11	(.2 0.0)	4110U	7.93E-11	(.2 0.0)	4120U	7.93E-11	(.2 0.0)
4140U	7.93E-11	(.2 0.0)	4150U	7.93E-11	(.2 0.0)	4160U	7.93E-11	(.2 0.0)	4170U	7.93E-11	(.2 0.0)	4180U	7.93E-11	(.2 0.0)
4200U	7.93E-11	(.2 0.0)	4210U	7.93E-11	(.2 0.0)	4220U	7.93E-11	(.2 0.0)	4230U	7.93E-11	(.2 0.0)	4240U	7.93E-11	(.2 0.0)
4260U	7.93E-11	(.2 0.0)	4270U	7.93E-11	(.2 0.0)	4280U	7.93E-11	(.2 0.0)	4290U	7.93E-11	(.2 0.0)	4300U	7.93E-11	(.2 0.0)
4320U	7.93E-11	(.2 0.0)	4330U	7.93E-11	(.2 0.0)	4340U	7.93E-11	(.2 0.0)	4350U	7.93E-11	(.2 0.0)	4360U	7.93E-11	(.2 0.0)
4380U	7.93E-11	(.2 0.0)	4390U	7.93E-11	(.2 0.0)	4400U	7.93E-11	(.2 0.0)	4410U	7.93E-11	(.2 0.0)	4420U	7.93E-11	(.2 0.0)
4440U	7.93E-11	(.2 0.0)	4450U	7.93E-11	(.2 0.0)	4460U	7.93E-11	(.2 0.0)	4470U	7.93E-11	(.2 0.0)	4480U	7.93E-11	(.2 0.0)
4500U	7.93E-11	(.2 0.0)	4510U	7.93E-11	(.2 0.0)	4520U	7.93E-11	(.2 0.0)	4530U	7.93E-11	(.2 0.0)	4540U	7.93E-11	(.2 0.0)
4560U	7.93E-11	(.2 0.0)	4570U	7.93E-11	(.2 0.0)	4580U	7.93E-11	(.2 0.0)	4590U	7.93E-11	(.2 0.0)	4600U	7.93E-11	(.2 0.0)
4620U	7.93E-11	(.2 0.0)	4630U	7.93E-11	(.2 0.0)	4640U	7.93E-11	(.2 0.0)	4650U	7.93E-11	(.2 0.0)	4660U	7.93E-11	(.2 0.0)
4680U	7.93E-11	(.2 0.0)	4690U	7.93E-11	(.2 0.0)	4700U	7.93E-11	(.2 0.0)	4710U	7.93E-11	(.2 0.0)	4720U	7.93E-11	(.2 0.0)
4740U	7.93E-11	(.2 0.0)	4750U	7.93E-11	(.2 0.0)	4760U	7.93E-11	(.2 0.0)	4770U	7.93E-11	(.2 0.0)	4780U	7.93E-11	(.2 0.0)
4800U	7.93E-11	(.2 0.0)	4810U	7.93E-11	(.2 0.0)	4820U	7.93E-11	(.2 0.0)	4830U	7.93E-11	(.2 0.0)	4840U	7.93E-11	(.2 0.0)
4860U	7.93E-11	(.2 0.0)	4870U	7.93E-11	(.2 0.0)	4880U	7.93E-11	(.2 0.0)	4890U	7.93E-11	(.2 0.0)	4900U	7.93E-11	(.2 0.0)
4920U	7.93E-11	(.2 0.0)	4930U	7.93E-11	(.2 0.0)	4940U	7.93E-11	(.2 0.0)	4950U	7.93E-11	(.2 0.0)	4960U	7.93E-11	(.2 0.0)
4980U	7.93E-11	(.2 0.0)	4990U	7.93E-11	(.2 0.0)	5000U	7.93E-11	(.2 0.0)	5010U	7.93E-11	(.2 0.0)	5020U	7.93E-11	(.2 0.0)
5040U	7.93E-11	(.2 0.0)	5050U	7.93E-11	(.2 0.0)	5060U	7.93E-11	(.2 0.0)	5070U	7.93E-11	(.2 0.0)	5080U	7.93E-11	(.2 0.0)
5100U	7.93E-11	(.2 0.0)	5110U	7.93E-11	(.2 0.0)	5120U	7.93E-11	(.2 0.0)	5130U	7.93E-11	(.2 0.0)	5140U	7.93E-11	(.2 0.0)
5160U	7.93E-11	(.2 0.0)	5170U	7.93E-11	(.2 0.0)	5180U	7.93E-11	(.2 0.0)	5190U	7.93E-11	(.2 0.0)	5200U	7.93E-11	(.2 0.0)
5220U	7.93E-11	(.2 0.0)												

HD 20809

HR 1011

HD 20809

LAMBDA, F., (WT, SIG)	F = AVE FLUX FROM LAM-DEL/2 TO LAM+DEL/2		
1630, 0. (0.0, 0.0)	1632, 0. (0.0, 0.0)	1634, 0. (0.0, 0.0)	1636, 0. (0.0, 0.0)
1640U 3.42E-10(.5, 0.0)	1642, 3.38E-10(.5, 0.0)	1644U 3.10E-10(.4, 0.0)	1646U 2.61E-10(.4, 0.0)
1650U 3.03E-10(.4, 0.0)	1652, 3.23E-10(.4, 0.0)	1654U 2.92E-10(.4, 0.0)	1656U 2.42E-10(.4, 0.0)
1660, 3.06E-10(.5, 0.0)	1662, 3.38E-10(.6, 0.0)	1664, 3.41E-10(.6, 0.0)	1666U 3.02E-10(.6, 0.0)
1670U 2.73E-10(.5, 0.0)	1672, 2.86E-10(.5, 0.0)	1674, 2.83E-10(.5, 0.0)	1676U 2.66E-10(.4, 0.0)
1680, 2.76E-10(.5, 0.0)	1682, 3.17E-10(.6, 0.0)	1684, 3.24E-10(.6, 0.0)	1686, 2.88E-10(.6, 0.0)
1690U 2.35E-10(.5, 0.0)	1692, 2.65E-10(.5, 0.0)	1694, 2.88E-10(.6, 0.0)	1696, 2.82E-10(.6, 0.0)
1700, 2.57E-10(.6, 0.0)	1702, 2.69E-10(.6, 0.0)	1704, 2.82E-10(.7, 0.0)	1706, 2.95E-10(.7, 0.0)
1710, 2.90E-10(.8, 0.0)	1712, 2.92E-10(.8, 0.0)	1714, 2.89E-10(.8, 0.0)	1716, 3.08E-10(.9, 0.0)
1720, 2.99E-10(.9, 0.0)	1722, 2.85E-10(.8, 0.0)	1724, 2.83E-10(.9, 0.0)	1726, 3.08E-10(1.0, 0.0)
1730, 3.37E-10(1.0, 0.0)	1732, 3.19E-10(1.0, 0.0)	1734, 3.08E-10(1.0, 0.0)	1736, 3.20E-10(1.0, 0.0)
1740, 3.45E-10(1.0, 0.0)	1742, 3.25E-10(1.0, 0.0)	1744, 3.10E-10(1.0, 0.0)	1746, 3.20E-10(1.0, 0.0)
1750, 3.52E-10(1.0, 0.0)	1752, 3.41E-10(1.0, 0.0)	1754, 3.38E-10(1.0, 0.0)	1756, 3.51E-10(1.0, 0.0)
1760, 3.57E-10(1.0, 0.0)	1762, 3.54E-10(1.0, 0.0)	1764, 3.67E-10(1.0, 0.0)	1766, 3.72E-10(1.0, 0.0)
1770, 3.39E-10(1.0, 0.0)	1772, 3.26E-10(1.0, 0.0)	1774, 3.07E-10(1.0, 0.0)	1776, 2.92E-10(1.0, 0.0)
1780, 3.03E-10(1.0, 0.0)	1782, 3.13E-10(1.0, 0.0)	1784, 3.31E-10(1.0, 0.0)	1786, 3.47E-10(1.0, 0.0)
1790, 3.38E-10(1.0, 0.0)	1792, 3.29E-10(1.0, 0.0)	1794, 3.25E-10(1.0, 0.0)	1796, 3.27E-10(1.0, 0.0)
1800, 3.29E-10(1.0, 0.0)	1802, 3.29E-10(1.0, 0.0)	1804, 3.28E-10(1.0, 0.0)	1806, 3.21E-10(1.0, 0.0)
1810, 3.02E-10(1.0, 0.0)	1812, 2.99E-10(1.0, 0.0)	1814, 2.95E-10(1.0, 0.0)	1816, 2.92E-10(1.0, 0.0)
1820, 3.03E-10(1.0, 0.0)	1822, 3.07E-10(1.0, 0.0)	1824, 3.02E-10(1.0, 0.0)	1826, 2.98E-10(1.0, 0.0)
1800, 3.29E-10(1.0, 0.0)	1805, 3.24E-10(1.0, 0.0)	1810, 3.03E-10(1.0, 0.0)	1815, 2.94E-10(1.0, 0.0)
1825, 3.01E-10(1.0, 0.0)	1830, 3.21E-10(1.0, 0.0)	1835, 3.29E-10(1.0, 0.0)	1840, 3.42E-10(1.0, 0.0)
1850, 3.26E-10(1.0, 0.0)	1855, 3.23E-10(1.0, 0.0)	1860, 3.02E-10(1.0, 0.0)	1865, 2.94E-10(1.0, 0.0)
1875, 3.00E-10(1.0, 0.0)	1880, 2.97E-10(1.0, 0.0)	1885, 2.85E-10(1.0, 0.0)	1890, 2.83E-10(1.0, 0.0)
1900, 2.78E-10(1.0, 0.0)	1905, 2.77E-10(1.0, 0.0)	1910, 2.74E-10(1.0, 0.0)	1915, 2.75E-10(1.0, 0.0)
1925, 2.66E-10(1.0, 0.0)	1930, 2.72E-10(1.0, 0.0)	1935, 2.80E-10(1.0, 0.0)	1940, 2.81E-10(1.0, 0.0)
1950, 2.65E-10(1.0, 0.0)	1955, 2.55E-10(1.0, 0.0)	1960, 2.52E-10(1.0, 0.0)	1965, 2.67E-10(1.0, 0.0)
1975, 2.15E-10(1.0, 0.0)	1980, 2.40E-10(1.0, 0.0)	1985, 2.48E-10(1.0, 0.0)	1990, 2.47E-10(1.0, 0.0)
2000, 2.41E-10(1.0, 0.0)	2005, 2.40E-10(1.0, 0.0)	2010, 2.48E-10(1.0, 0.0)	2015, 2.47E-10(1.0, 0.0)
2025, 2.30E-10(1.0, 0.0)	2030, 2.41E-10(1.0, 0.0)	2035, 2.58E-10(1.0, 0.0)	2040, 2.56E-10(1.0, 0.0)
2050, 2.48E-10(1.0, 0.0)	2055, 2.51E-10(1.0, 0.0)	2060, 2.56E-10(1.0, 0.0)	2065, 2.52E-10(1.0, 0.0)
2075, 2.41E-10(1.0, 0.0)	2080, 2.50E-10(1.0, 0.0)	2085, 2.49E-10(1.0, 0.0)	2090, 2.32E-10(1.0, 0.0)
2100, 2.37E-10(1.0, 0.0)	2105, 2.39E-10(1.0, 0.0)	2110, 2.33E-10(1.0, 0.0)	2115, 2.25E-10(1.0, 0.0)
2125, 2.23E-10(1.0, 0.0)	2130, 2.18E-10(1.0, 0.0)	2135, 2.09E-10(1.0, 0.0)	2140, 2.12E-10(1.0, 0.0)
2150, 2.21E-10(1.0, 0.0)	2155, 2.26E-10(1.0, 0.0)	2160, 2.33E-10(1.0, 0.0)	2165, 2.26E-10(1.0, 0.0)
2175, 2.15E-10(1.0, 0.0)	2180, 2.11E-10(1.0, 0.0)	2185, 2.05E-10(1.0, 0.0)	2190, 2.04E-10(1.0, 0.0)
2200, 2.29E-10(1.0, 0.0)	2205, 2.38E-10(1.0, 0.0)	2210, 2.33E-10(1.0, 0.0)	2215, 2.21E-10(1.0, 0.0)
2225, 2.06E-10(1.0, 0.0)	2230, 2.00E-10(1.0, 0.0)	2235, 1.98E-10(1.0, 0.0)	2240, 2.05E-10(1.0, 0.0)
2250, 2.22E-10(1.0, 0.0)	2255, 2.23E-10(1.0, 0.0)	2260, 2.24E-10(1.0, 0.0)	2265, 2.29E-10(1.0, 0.0)
2275, 2.34E-10(1.0, 0.0)	2280, 2.28E-10(1.0, 0.0)	2285, 2.25E-10(1.0, 0.0)	2290, 2.25E-10(1.0, 0.0)
2300, 2.20E-10(1.0, 0.0)	2305, 2.14E-10(1.0, 0.0)	2310, 2.08E-10(1.0, 0.0)	2315, 2.03E-10(1.0, 0.0)
2330, 2.19E-10(1.0, 0.0)	2335, 2.08E-10(1.0, 0.0)	2340, 2.01E-10(1.0, 0.0)	2345, 1.99E-10(1.0, 0.0)
2360, 2.01E-10(1.0, 0.0)	2365, 2.04E-10(1.0, 0.0)	2370, 1.99E-10(1.0, 0.0)	2375, 1.99E-10(1.0, 0.0)
2400E 2.28E-10(1.0, 0.0)	2410E 2.29E-10(1.0, 0.0)	2420E 2.27E-10(1.0, 0.0)	2430E 2.22E-10(1.0, 0.0)
2450E 2.15E-10(1.0, 0.0)	2460E 2.12E-10(1.0, 0.0)	2470E 2.05E-10(1.0, 0.0)	2480E 2.02E-10(1.0, 0.0)
2500E 2.14E-10(1.0, 0.0)	2510E 2.13E-10(1.0, 0.0)	2520E 2.11E-10(1.0, 0.0)	2530E 2.12E-10(1.0, 0.0)
2550E 2.22E-10(1.0, 0.0)	2560E 2.21E-10(1.0, 0.0)	2570E 2.15E-10(1.0, 0.0)	2580E 2.12E-10(1.0, 0.0)
2600E 2.12E-10(1.0, 0.0)	2610E 2.21E-10(1.0, 0.0)	2620E 2.31E-10(1.0, 0.0)	2630E 2.36E-10(1.0, 0.0)
2650E 2.38E-10(1.0, 0.0)	2660E 2.40E-10(1.0, 0.0)	2670E 2.42E-10(1.0, 0.0)	2680E 2.40E-10(1.0, 0.0)
2700E 2.14E-10(1.0, 0.0)	2710E 2.04E-10(1.0, 0.0)	2720E 1.99E-10(1.0, 0.0)	2730E 1.97E-10(1.0, 0.0)
2750E 2.01E-10(1.0, 0.0)	2760E 2.05E-10(1.0, 0.0)	2770E 2.11E-10(1.0, 0.0)	2780E 2.15E-10(1.0, 0.0)
2800E 2.07E-10(1.0, 0.0)	2810E 2.01E-10(1.0, 0.0)	2820E 2.02E-10(1.0, 0.0)	2830E 2.11E-10(1.0, 0.0)
2850E 2.19E-10(1.0, 0.0)	2860E 2.12E-10(1.0, 0.0)	2870E 2.12E-10(1.0, 0.0)	2880E 2.21E-10(1.0, 0.0)
2900E 2.34E-10(1.0, 0.0)	2910E 2.28E-10(1.0, 0.0)	2920E 2.22E-10(1.0, 0.0)	2930E 2.20E-10(1.0, 0.0)
2950E 2.21E-10(1.0, 0.0)	2960E 2.27E-10(1.0, 0.0)	2970E 2.37E-10(1.0, 0.0)	2980E 2.48E-10(1.0, 0.0)
3000E 2.54E-10(1.0, 0.0)	3010E 2.50E-10(1.0, 0.0)	3020E 2.47E-10(1.0, 0.0)	3030E 2.46E-10(1.0, 0.0)
3000E 2.53E-10(1.0, 0.0)	3020E 2.48E-10(1.0, 0.0)	3040E 2.41E-10(1.0, 0.0)	3060E 2.17E-10(1.0, 0.0)
3100E 2.01E-10(1.0, 0.0)	3120E 2.04E-10(1.0, 0.0)	3140E 2.08E-10(1.0, 0.0)	3160E 2.09E-10(1.0, 0.0)
3200E 2.05E-10(1.0, 0.0)	3220E 1.98E-10(1.0, 0.0)	3240E 1.84E-10(1.0, 0.0)	3260E 1.79E-10(1.0, 0.0)
3300E 1.85E-10(1.0, 0.0)	3320E 1.87E-10(1.0, 0.0)	3340E 1.84E-10(1.0, 0.0)	3360E 1.71E-10(1.0, 0.0)
3400E 1.71E-10(1.0, 0.0)	3420E 1.85E-10(1.0, 0.0)	3440E 1.90E-10(1.0, 0.0)	3460E 1.82E-10(1.0, 0.0)
3500E 1.56E-10(1.0, 0.0)	3520E 1.46E-10(1.0, 0.0)	3540E 1.40E-10(1.0, 0.0)	3560E 1.42E-10(1.0, 0.0)
3600E 1.66E-10(1.0, 0.0)	3620E 1.76E-10(1.0, 0.0)	3640E 1.83E-10(1.0, 0.0)	3660E 1.83E-10(1.0, 0.0)
3700E 1.76E-10(1.0, 0.0)	3720E 1.71E-10(1.0, 0.0)	3740E 1.65E-10(1.0, 0.0)	3760E 1.60E-10(1.0, 0.0)
3800E 1.53E-10(1.0, 0.0)	3820E 1.53E-10(1.0, 0.0)	3840E 1.55E-10(1.0, 0.0)	3860E 1.57E-10(1.0, 0.0)
3900E 1.60E-10(1.0, 0.0)	3920E 1.59E-10(1.0, 0.0)	3940E 1.56E-10(1.0, 0.0)	3960E 1.51E-10(1.0, 0.0)
4000E 1.38E-10(1.0, 0.0)	4020E 1.31E-10(1.0, 0.0)	4040E 1.24E-10(1.0, 0.0)	4060E 1.17E-10(1.0, 0.0)
4100E 1.05E-10(1.0, 0.0)	4120E 9.99E-11(1.0, 0.0)	4140E 9.55E-11(1.0, 0.0)	4160E 9.17E-11(1.0, 0.0)
135, 0.00(0.0, 0.0)	139, 0.00(0.0, 0.0)	148, 0.00(0.0, 0.0)	154, 0.00(0.0, 0.0)
166, 0.00(0.0, 0.0)	172, 2.67(1.0, 0.0)	181, 2.64(1.0, 0.0)	192, 2.80(1.0, 0.0)
219, 3.05(.6, 0.0)	245E 3.09(.4, 0.0)	280E 3.03(.2, 0.0)	360E 3.31(.2, 0.0)
X,Y(MM) -13.6 -17.2	SL3-207	18 SCANS, T= 224	HR 1011
WT-1.0, SCALE 1.00			

R = 0.49+-

LAMBDA, F (WT, SIG) F = AVE FLUX FROM LAM-DEL/2 TO LAM+DEL/2

2000, 0.00E-11(0.0 0.0)	2005U, 2.90E-11(0.2 0.0)	2010, 4.72E-11(0.4 0.0)	2015, 5.17E-11(0.5 0.0)	2020U, 4.55E-11(0.5 3.3)
2005U, 4.96E-11(0.6 4.0)	2030, 5.08E-11(0.6 4.2)	2035U, 4.30E-11(0.5 2.8)	2040U, 4.09E-11(0.5 1.3)	2045, 4.11E-11(0.5 5.5)
2050, 4.31E-11(0.6 5.5)	2055, 4.60E-11(0.7 5.9)	2060, 4.74E-11(0.7 2.4)	2065, 5.20E-11(0.7 3.6)	2070, 5.56E-11(0.7 11.5)
2075, 6.12E-11(0.7 13.2)	2080, 6.40E-11(0.8 9.5)	2085, 6.36E-11(0.8 2.0)	2090, 6.54E-11(0.9 5.5)	2095, 6.80E-11(0.9 1.7)
2100, 6.75E-11(0.9 4.8)	2105, 6.75E-11(1.0 5.1)	2110, 6.90E-11(1.0 8.8)	2115, 6.99E-11(1.1 2.5)	2120, 6.81E-11(1.1 1.6)
2125, 6.59E-11(1.1 5.3)	2130, 6.42E-11(1.0 8.5)	2135, 5.71E-11(1.0 13.3)	2140, 5.02E-11(1.0 16.0)	2145, 5.27E-11(1.1 10.4)
2150, 6.06E-11(1.2 3.3)	2155, 6.50E-11(1.2 2.2)	2160, 6.49E-11(1.2 6.9)	2165, 6.44E-11(1.2 7.0)	2170, 6.59E-11(1.2 3.9)
2175, 6.71E-11(1.2 4.4)	2180, 6.85E-11(1.2 3.2)	2185, 7.14E-11(1.2 4.6)	2190, 7.07E-11(1.2 3.2)	2195, 6.46E-11(1.2 4.1)
2200, 6.26E-11(1.2 7.3)	2205, 6.57E-11(1.2 8.5)	2210, 6.93E-11(1.2 7.6)	2215, 7.08E-11(1.2 8.4)	2220, 6.97E-11(1.2 8.9)
2225, 6.82E-11(1.2 5.1)	2230, 6.99E-11(1.2 3.3)	2235, 7.37E-11(1.2 7.7)	2240, 7.60E-11(1.2 1.6)	2245, 7.62E-11(1.2 5.2)
2250, 7.58E-11(1.2 9.0)	2255, 7.41E-11(1.2 11.7)	2260, 7.13E-11(1.2 12.9)	2265, 6.81E-11(1.2 13.3)	2270, 6.61E-11(1.2 14.1)
2275, 6.56E-11(1.2 14.6)	2280, 6.68E-11(1.2 13.3)	2285, 6.91E-11(1.2 10.1)	2290, 7.10E-11(1.2 8.0)	2295, 7.14E-11(1.2 8.2)
2300, 7.11E-11(1.2 8.7)	2305, 7.04E-11(1.2 8.1)	2310, 6.96E-11(1.2 7.6)	2315, 6.78E-11(1.2 8.9)	0.0 (0.0 0.0)
2300, 7.11E-11(1.2 8.5)	2310, 6.94E-11(1.2 7.8)	2320, 6.64E-11(1.2 10.9)	2330, 6.52E-11(1.2 8.6)	2340, 6.42E-11(1.2 3.4)
2350, 6.27E-11(1.2 2.2)	2360, 6.25E-11(1.2 3.1)	2370, 6.10E-11(1.2 3.6)	2380, 6.09E-11(1.2 4.6)	2390, 6.23E-11(1.2 8.9)
2400, 6.19E-11(1.2 8.7)	2410, 6.62E-11(1.2 3.7)	2420, 7.34E-11(1.2 2.2)	2430, 7.71E-11(1.2 5.5)	2440, 7.76E-11(1.2 3.3)
2450, 7.91E-11(1.2 6.1)	2460, 8.07E-11(1.2 1.2)	2470, 7.95E-11(1.2 2.6)	2480, 8.06E-11(1.2 3.3)	2490, 8.50E-11(1.2 2.3)
2500, 8.67E-11(1.2 8.6)	2510, 8.64E-11(1.2 11.3)	2520, 8.49E-11(1.1 8.9)	2530, 8.45E-11(1.1 7.7)	2540, 8.55E-11(1.1 12.0)
2550, 8.44E-11(1.1 13.7)	2560, 8.32E-11(1.1 12.2)	2570, 8.60E-11(1.1 12.6)	2580, 9.11E-11(1.1 16.0)	2590, 9.48E-11(1.1 19.1)
2600, 9.57E-11(1.1 19.2)	2610, 9.44E-11(1.0 15.5)	2620, 9.12E-11(1.0 9.4)	2630, 9.22E-11(1.0 6.2)	2640, 9.82E-11(1.0 8.4)
2650, 1.05E-10(1.0 12.2)	2660, 1.10E-10(1.0 11.8)	2670, 1.13E-10(0.9 9.6)	2680, 1.17E-10(0.9 8.4)	2690, 1.19E-10(0.9 9.0)
2700, 1.19E-10(0.9 9.0)	2710, 1.20E-10(0.9 9.7)	2720, 1.19E-10(0.9 10.0)	2730, 1.16E-10(0.9 12.2)	2740, 1.11E-10(0.9 14.6)
2750, 1.10E-10(0.9 15.5)	2760, 1.11E-10(0.9 12.9)	2770, 1.11E-10(0.8 9.8)	2780, 1.10E-10(0.8 8.7)	2790, 1.05E-10(0.9 9.4)
2800, 1.00E-10(0.9 11.9)	2810, 9.96E-11(0.8 14.2)	2820, 1.03E-10(0.8 13.9)	2830, 1.06E-10(0.8 13.4)	2840, 1.08E-10(0.8 12.6)
2850, 1.10E-10(0.7 13.8)	2860, 1.12E-10(0.7 15.7)	2870, 1.12E-10(0.7 16.0)	2880, 1.13E-10(0.7 16.0)	2890, 1.16E-10(0.7 13.9)
2900, 1.17E-10(0.7 12.5)	2910, 1.14E-10(0.7 11.0)	2920, 1.06E-10(0.7 8.7)	2930, 1.00E-10(0.7 7.2)	2940, 9.55E-11(0.7 8.2)
2950, 9.81E-11(0.6 10.3)	2960, 1.04E-10(0.6 11.6)	2970E, 1.12E-10(0.6 12.4)	2980E, 1.19E-10(0.6 9.7)	2990E, 1.21E-10(0.5 9.0)
3000E, 1.18E-10(0.5 8.0)	3010E, 1.14E-10(0.5 7.3)	3020E, 1.11E-10(0.5 5.9)	3030E, 1.09E-10(0.5 4.6)	0.0 (0.0 0.0)
3000E, 1.18E-10(0.5 6.4)	3020E, 1.12E-10(0.5 5.4)	3040E, 1.10E-10(0.5 7.7)	3060E, 1.11E-10(0.5 1.5)	3080E, 1.20E-10(0.5 1.4)
3100E, 1.37E-10(0.4 5.6)	3120E, 1.38E-10(0.4 6.8)	3140E, 1.32E-10(0.4 3.2)	3160E, 1.31E-10(0.4 2.8)	3180E, 1.27E-10(0.4 8.3)
3200E, 1.25E-10(0.4 10.2)	3220E, 1.36E-10(0.4 5.0)	3240E, 1.49E-10(0.4 0.0)	3260E, 1.56E-10(0.3 2.0)	3280E, 1.61E-10(0.3 1.4)
3300E, 1.62E-10(0.3 3.7)	3320E, 1.60E-10(0.3 6.8)	3340E, 1.66E-10(0.3 7.7)	3360E, 1.69E-10(0.3 9.8)	3380E, 1.57E-10(0.3 13.9)
3400E, 1.42E-10(0.3 17.5)	3420E, 1.36E-10(0.3 18.5)	3440E, 1.28E-10(0.3 17.6)	3460E, 1.19E-10(0.3 16.6)	3480E, 1.13E-10(0.4 17.3)
3500E, 1.11E-10(0.4 14.3)	3520E, 1.14E-10(0.4 15.0)	3540E, 1.15E-10(0.3 14.5)	3560E, 1.16E-10(0.3 17.4)	3580E, 1.19E-10(0.3 20.5)
3600E, 1.19E-10(0.3 24.6)	3620E, 1.19E-10(0.3 25.2)	3640E, 1.19E-10(0.3 24.5)	3660E, 1.14E-10(0.3 21.2)	3680E, 1.09E-10(0.3 14.9)
3700E, 1.08E-10(0.3 17.2)	3720E, 1.14E-10(0.3 12.4)	3740E, 1.26E-10(0.3 10.2)	3760E, 1.36E-10(0.3 7.5)	3780E, 1.42E-10(0.3 5.0)
3800E, 1.43E-10(0.3 5.6)	3820E, 1.49E-10(0.3 7.0)	3840E, 1.56E-10(0.3 9.1)	3860E, 1.72E-10(0.2 16.4)	3880E, 1.89E-10(0.2 21.0)
3900E, 2.09E-10(0.2 19.7)	3920E, 2.11E-10(0.2 14.4)	3940E, 2.19E-10(0.2 10.2)	3960E, 2.21E-10(0.2 10.4)	3980E, 2.13E-10(0.2 12.0)
4000E, 2.06E-10(0.2 13.6)	4020E, 2.02E-10(0.2 14.6)	4040E, 2.06E-10(0.2 20.4)	4060E, 2.26E-10(0.2 20.2)	4080E, 2.46E-10(0.2 17.2)
4100E, 2.71E-10(0.2 12.2)	4120E, 2.99E-10(0.2 6.7)	4140E, 3.13E-10(0.2 6.9)	4160E, 3.22E-10(0.2 5.1)	4180E, 3.16E-10(0.2 5.9)
135, 0.00(0.0 0.0)	139, 0.00(0.0 0.0)	148, 0.00(0.0 0.0)	154, 0.00(0.0 0.0)	161, 0.00(0.0 0.0)
166, 0.00(0.0 0.0)	172, 0.00(0.0 0.0)	181, 0.00(0.0 0.0)	192, 0.00(0.0 0.0)	204, 0.00(0.0 0.0)
219, 4.33(1.2 5.3)	245, 4.19(1.2 4.4)	280, 3.81(0.8 10.9)	360E, 3.58(0.3 7.8)	0.0 (0.0 0.0)

X,Y(MM) -15.8 6.2 SL4- 3 18 SCANS, T= 222 ALF PER WT .6, SCALE .98  
 X,Y(MM) -15.8 6.2 SL4- 4 13 SCANS, T= 77: ALF PER WT .6, SCALE 1.02

R = &lt;0.60&gt;



F = AVE FLUX				FROM LM-DEL/2 TO LM-DEL/2											
AMBA	F	( WT.	SIG)	AMBA	F	( WT.	SIG)	AMBA	F	( WT.	SIG)	AMBA	F	( WT.	SIG)
1450	1.20E-09	(6	0.0)	1451	1.23E-09	(7	0.0)	1452	1.11E-09	(6	0.0)	1453	1.15E-09	(6	0.0)
1460	1.07E-09	(6	0.0)	1461	1.11E-09	(7	0.0)	1462	1.12E-09	(7	0.0)	1463	9.63E-10	(7	0.0)
1470	1.01E-09	(7	0.0)	1471	9.44E-10	(7	0.0)	1472	9.53E-10	(7	0.0)	1473	1.02E-09	(8	0.0)
1480	1.02E-09	(9	0.0)	1481	1.05E-09	(9	0.0)	1482	1.06E-09	(10	0.0)	1483	8.80E-10	(9	0.0)
1490	9.35E-10	(9	0.0)	1491	9.39E-10	(10	0.0)	1492	1.03E-09	(10	0.0)	1493	1.02E-09	(10	0.0)
1500	1.00E-09	(10	0.0)	1501	1.06E-09	(10	0.0)	1502	1.08E-09	(10	1.8)	1503	9.43E-10	(10	3.3)
1510	1.00E-09	(12	0.0)	1511	1.06E-09	(11	7.6)	1512	1.08E-09	(11	7.6)	1513	1.07E-09	(11	3.0)
1520	8.65E-10	(2.7	5.2)	1521	9.9E-10	(1.1	9)	1522	9.9E-10	(1.1	9)	1523	8.70E-10	(1.1	9)
1530	8.26E-10	(1.1	4.4)	1531	8.35E-10	(1.1	3.2)	1532	8.78E-10	(1.1	2.1)	1533	8.23E-10	(1.1	8.8)
1540	8.49E-10	(1.1	3.4)	1541	8.95E-10	(1.2	6.1)	1542	9.16E-10	(1.3	6.3)	1543	9.42E-10	(1.4	6.7)
1550	9.71E-10	(1.4	11.7)	1551	9.63E-10	(1.4	5.8)	1552	8.45E-10	(1.2	9.2)	1553	8.39E-10	(1.2	8.8)
1560	8.09E-10	(1.2	1.0)	1561	7.32E-10	(1.3	4.4)	1562	8.55E-10	(1.4	10.0)	1563	8.48E-10	(1.4	6.8)
1570	8.20E-10	(1.3	4.3)	1571	7.84E-10	(1.3	16.4)	1572	7.92E-10	(1.3	7.9)	1573	7.73E-10	(1.4	4.3)
1580	8.01E-10	(1.4	7)	1581	8.67E-10	(1.5	8.5)	1582	8.98E-10	(1.4	10.2)	1583	7.32E-10	(1.4	5.3)
1590	8.02E-10	(1.92	4.3)	1591	8.70E-10	(1.6	2.2)	1592	8.87E-10	(1.5	5.7)	1593	7.73E-10	(1.5	4.4)
1600	7.95E-10	(1.5	7.2)	1601	7.45E-10	(1.4	4.4)	1602	7.07E-10	(1.3	19.3)	1603	7.06E-10	(1.3	12.4)
1610	7.02E-10	(1.4	5.7)	1611	7.11E-10	(1.5	3.3)	1612	6.81E-10	(1.4	9.7)	1613	7.10E-10	(1.5	10.8)
1620	7.69E-10	(1.6	7.6)	1621	7.98E-10	(1.7	3.4)	1622	7.72E-10	(1.8	7.1)	1623	7.82E-10	(1.8	8.1)
1630	8.03E-10	(1.9	7.6)	1631	8.37E-10	(2.0	9.7)	1632	7.47E-10	(1.8	2.1)	1633	7.32E-10	(1.8	1.6)
1640	7.32E-10	(1.8	1.9)	1641	7.39E-10	(1.8	3.6)	1642	7.90E-10	(1.8	1.3)	1643	7.98E-10	(1.9	9.1)
1650	7.08E-10	(2.0	5)	1651	7.86E-10	(2.0	8.3)	1652	7.66E-10	(2.2	7.4)	1653	7.46E-10	(2.0	7.7)
1660	6.98E-10	(1.9	2.6)	1661	7.55E-10	(1.9	6.6)	1662	7.66E-10	(1.9	8.3)	1663	7.61E-10	(1.9	9.1)
1670	7.45E-10	(1.9	2.6)	1671	7.55E-10	(1.9	8.6)	1672	7.47E-10	(1.9	6.8)	1673	6.81E-10	(1.8	6.9)
1680	6.51E-10	(1.8	7.6)	1681	6.62E-10	(1.7	8.7)	1682	6.56E-10	(1.7	16.7)	1683	6.66E-10	(1.7	14.9)
1690	6.95E-10	(1.9	8.7)	1691	7.06E-10	(1.9	5.7)	1692	8.11E-10	(1.9	1.6)	1693	8.21E-10	(1.8	2.8)
1700	8.04E-10	(1.8	1.3)	1701	7.82E-10	(1.8	1.4)	1702	7.60E-10	(1.8	8.8)	1703	7.62E-10	(1.8	6.7)
1710	7.47E-10	(1.8	2.5)	1711	7.36E-10	(1.8	1.6)	1712	7.19E-10	(1.8	8.2)	1713	7.60E-10	(1.8	4.9)
1720	7.63E-10	(1.8	2.8)	1721	7.30E-10	(1.8	4.4)	1722	7.21E-10	(1.8	1.3)	1723	7.22E-10	(1.8	3.7)
1730	7.29E-10	(1.8	2.3)	1731	7.32E-10	(1.8	3.2)	1732	7.49E-10	(1.8	4.7)	1733	7.49E-10	(1.8	4.7)
1740	7.15E-10	(1.8	9)	1741	7.49E-10	(1.8	8)	1742	7.76E-10	(1.8	3)	1743	8.05E-10	(1.7	6)
1750	8.37E-10	(1.7	2.7)	1751	8.18E-10	(1.7	8)	1752	7.91E-10	(1.7	7)	1753	7.73E-10	(1.7	8)
1760	7.89E-10	(1.7	3.8)	1761	8.00E-10	(1.7	4.3)	1762	8.02E-10	(1.7	2.3)	1763	7.98E-10	(1.7	2)
1770	7.62E-10	(1.7	1.1)	1771	7.34E-10	(1.7	1.5)	1772	7.17E-10	(1.7	3.3)	1773	7.15E-10	(1.7	4.5)
1780	7.22E-10	(1.7	4.6)	1781	7.36E-10	(1.7	1.5)	1782	7.55E-10	(1.7	5.1)	1783	7.46E-10	(1.7	6.7)
1790	7.41E-10	(1.7	5.6)	1791	7.54E-10	(1.7	4.0)	1792	7.92E-10	(1.6	1.3)	1793	8.10E-10	(1.6	7)
1800	7.29E-10	(1.6	2.6)	1801	7.50E-10	(1.6	1.8)	1802	7.92E-10	(1.5	4.8)	1803	8.82E-10	(1.5	2.2)
1810	8.97E-10	(1.6	1.8)	1811	9.04E-10	(1.5	1.8)	1812	9.06E-10	(1.5	1.7)	1813	9.15E-10	(1.4	2.6)
1820	9.39E-10	(1.4	1.5)	1821	9.55E-10	(1.4	1.6)	1822	9.75E-10	(1.4	1.7)	1823	9.85E-10	(1.4	3.2)
1800	8.27E-10	(1.5	2.9)	1801	8.63E-10	(1.5	4.0)	1802	8.95E-10	(1.5	2.7)	1803	9.12E-10	(1.5	8)
1815	9.78E-10	(1.4	2.4)	1816	9.49E-10	(1.4	5.1)	1817	9.54E-10	(1.4	4.5)	1818	9.91E-10	(1.4	7.0)
1830	8.78E-10	(1.4	1.3)	1831	8.81E-10	(1.3	0)	1832	8.99E-10	(1.3	1.2)	1833	9.17E-10	(1.3	2.2)
1845	8.18E-10	(1.3	0)	1846	8.33E-10	(1.3	3.7)	1847	8.48E-10	(1.3	4.4)	1848	8.69E-10	(1.2	2.5)
1900	9.40E-10	(1.2	4.7)	1901	9.63E-10	(1.2	8)	1902	9.40E-10	(1.2	1.6)	1903	8.70E-10	(1.2	2.5)
1925	8.75E-10	(1.2	2.1)	1926	8.56E-10	(1.1	4.7)	1927	8.52E-10	(1.1	3.8)	1928	8.69E-10	(1.1	3.8)
1950	8.65E-10	(1.1	4.3)	1951	8.76E-10	(1.1	1.5)	1952	9.04E-10	(1.0	1.9)	1953	8.91E-10	(1.0	2.1)
1975	8.46E-10	(1.0	3.8)	1976	8.40E-10	(1.0	1.2)	1977	8.83E-10	(1.0	4.7)	1978	9.13E-10	(1.0	4.8)
2000E	8.38E-10	(9	1.8)	2000E	8.17E-10	(9	3.8)	20010E	8.06E-10	(9	3.8)	20150E	8.01E-10	(8	3)
2025E	7.81E-10	(9	0)	2030E	7.92E-10	(9	1.3)	2035E	7.93E-10	(8	1.4)	2040E	8.19E-10	(8	9)
2050E	7.25E-10	(8	1.1)	2055E	8.02E-10	(8	2.5)	2060E	8.16E-10	(7	1.3)	2065E	8.22E-10	(7	1.3)
2075E	8.33E-10	(1.5	0.80E)	2080E	8.28E-10	(1.3	1.3)	2085E	1.9E-10	(6	1.8)	2090E	8.41E-10	(6	1.3)
2100E	9.06E-10	(5	9)	2105E	9.35E-10	(5	5)	2110E	9.49E-10	(5	1.0)	2115E	9.36E-10	(5	4.2)
2125E	9.10E-10	(4	4.0)	2130E	9.28E-10	(4	5.4)	2135E	9.17E-10	(4	8.4)	2140E	8.83E-10	(4	8.8)
2150E	8.37E-10	(4	4.8)	2155E	8.57E-10	(4	2.0)	2160E	8.99E-10	(4	2.4)	2165E	9.00E-10	(4	0.0)
2175E	7.74E-10	(4	0.0)	2180E	7.55E-10	(4	0.0)	2185E	7.61E-10	(4	0.0)	2190E	7.78E-10	(4	0.0)
2200E	8.47E-10	(3	0.0)	2205E	8.43E-10	(3	0.0)	2210E	8.02E-10	(3	0.0)	2215E	7.66E-10	(3	0.0)
2225E	7.7E-10	(3	0.0)	2230E	7.82E-10	(3	0.0)	2235E	7.88E-10	(3	0.0)	2240E	8.06E-10	(3	0.0)
2250E	7.92E-10	(3	0.0)	2255E	7.86E-10	(3	0.0)	2260E	7.86E-10	(3	0.0)	2265E	7.86E-10	(3	0.0)
2275E	7.85E-10	(3	0.0)	2280E	7.57E-10	(3	0.0)	2285E	7.54E-10	(3	0.0)	2290E	7.80E-10	(3	0.0)
2300E	7.92E-10	(3	0.0)	2305E	7.51E-10	(3	0.0)	2310E	7.03E-10	(3	0.0)	2315E	6.79E-10	(3	0.0)
2300E	7.88E-10	(3	0.0)	2310E	7.06E-10	(3	0.0)	2320E	6.87E-10	(3	0.0)	2330E	7.11E-10	(3	0.0)
2350E	6.32E-10	(3	0.0)	2360E	5.82E-10	(3	0.0)	2370E	5.85E-10	(3	0.0)	2380E	6.45E-10	(3	0.0)
2400E	6.40E-10	(3	0.0)	2410E	5.92E-10	(2	0.0)	2420E	6.23E-10	(2	0.0)	2430E	6.89E-10	(2	0.0)
2450E	6.10E-10	(2	0.0)	2460E	5.70E-10	(2	0.0)	2470E	5.70E-10	(2	0.0)	2480E	6.40E-10	(2	0.0)
2500E	6.52E-10	(2	0.0)	2510E	6.52E-10	(2	0.0)	2520E	6.71E-10	(2	0.0)	2530E	7.22E-10	(2	0.0)
2550E	7.89E-10	(2	0.0)	2560E	7.51E-10	(2	0.0)	2570E	6.85E-10	(2	0.0)	2580E	6.43E-10	(2	0.0)
2600E	6.45E-10	(2	0.0)	2610E	6.49E-10	(2	0.0)	2620E	6.51E-10	(2	0.0)	2630E	6.70E-10	(2	0.0)
2300E	6.79E-10	(3	0.0)	2310E	6.79E-10	(3	0.0)	2320E	6.79E-10	(3	0.0)	2330E	6.79E-10	(3	0.0)
2340E	6.79E-10	(3	0.0)	2350E	6.79E-10	(3	0.0)	2360E	6.79E-10	(3	0.0)	2370E	6.79E-10	(3	0.0)
2380E	6.79E-10	(3	0.0)	2390E	6.79E-10	(3	0.0)	2400E	6.79E-10	(3	0.0)	2410E	6.79E-10	(3	0.0)
2420E	6.79E-10	(3	0.0)	2430E	6.79E-10	(3	0.0)	2440E	6.79E-10	(3	0.0)	2450E	6.79E-10	(3	0.0)
2460E	6.79E-10	(3	0.0)	2470E	6.79E-10	(3	0.0)	2480E	6.79E-10	(3	0.0)	2490E	6.79E-10	(3	0.0)
2500E	6.79E-10	(3	0.0)	2510E	6.79E-10	(3	0.0)	2520E	6.79E-10	(3	0.0)	2530E	6.79E-10	(3	0.0)
2540E	6.79E-10	(3	0.0)	2550E	6.79E-10	(3	0.0)	2560E	6.79E-10	(3	0.0)	2570E	6.79E-10	(3	0.0)
2580E	6.79E-10	(3	0.0)	2590E	6.79E-10	(3	0.0)	2600E	6.79E-10	(3	0.0)	2610E	6.79E-10	(3	0.0)
2620E	6.79E-10	(3	0.0)	2630E	6.79E-10	(3	0.0)	2640E	6.79E-10	(3	0.0)	2650E	6.79E-10	(3	0.0)

$$R = \frac{1}{2} \left( \frac{1}{\rho} + \frac{1}{\sigma} \right)$$

LAMBDA, F (WT, SIG)	F = AVE FLUX FROM LAM-DEL/2 TO LAM+DEL/2		
1480, 0.00(0.0 0.0)	1482, 9.98E-10(0.6 0.0)	1484, 1.01E-09(0.6 0.0)	1486, 1.16E-09(0.6 0.0)
1490, 1.02E-09(0.7 0.0)	1492, 1.14E-09(0.8 0.0)	1494, 1.15E-09(0.8 0.0)	1496, 1.02E-09(0.8 0.0)
1500, 1.01E-09(0.7 0.0)	1502, 9.76E-10(0.7 0.0)	1504, 9.61E-10(0.8 0.0)	1506, 9.63E-10(0.8 0.0)
1510, 8.12E-10(0.7 0.0)	1512, 8.05E-10(0.7 0.0)	1514, 8.50E-10(0.7 0.0)	1516, 7.26E-10(0.7 0.0)
1520U, 5.82E-10(0.5 0.0)	1522, 7.11E-10(0.6 0.0)	1524, 6.89E-10(0.6 0.0)	1526, 6.08E-10(0.7 0.0)
1530, 7.21E-10(0.7 0.0)	1532, 6.17E-10(0.7 0.0)	1534, 6.44E-10(0.7 0.0)	1536, 6.59E-10(0.7 0.0)
1540, 7.74E-10(1.0 0.0)	1542, 7.33E-10(1.0 0.0)	1544, 7.10E-10(1.0 0.0)	1546, 7.62E-10(1.0 0.0)
1550, 6.80E-10(1.0 0.0)	1552, 7.51E-10(1.0 0.0)	1554, 7.58E-10(1.0 0.0)	1556, 7.55E-10(1.0 0.0)
1560, 6.84E-10(1.0 0.0)	1562, 6.15E-10(1.0 0.0)	1564, 6.07E-10(1.0 0.0)	1566, 6.08E-10(1.0 0.0)
1570, 6.90E-10(1.0 0.0)	1572, 7.34E-10(1.0 0.0)	1574, 7.55E-10(1.0 0.0)	1576, 7.32E-10(1.0 0.0)
1580, 7.14E-10(1.0 0.0)	1582, 7.30E-10(1.0 0.0)	1584, 7.52E-10(1.0 0.0)	1586, 7.82E-10(1.0 0.0)
1590, 7.62E-10(1.0 0.0)	1592, 7.32E-10(1.0 0.0)	1594, 7.03E-10(1.0 0.0)	1596, 6.84E-10(1.0 0.0)
1600, 6.43E-10(1.0 0.0)	1602, 6.50E-10(1.0 0.0)	1604, 6.16E-10(1.0 0.0)	1606, 5.86E-10(1.0 0.0)
1610, 6.24E-10(1.0 0.0)	1612, 6.47E-10(1.0 0.0)	1614, 6.17E-10(1.0 0.0)	1616, 6.00E-10(1.0 0.0)
1620, 6.28E-10(1.0 0.0)	1622, 6.22E-10(1.0 0.0)	1624, 6.18E-10(1.0 0.0)	1626, 6.21E-10(1.0 0.0)
1630, 6.26E-10(1.0 0.0)	1632, 6.16E-10(1.0 0.0)	1634, 6.49E-10(1.0 0.0)	1636, 6.86E-10(1.0 0.0)
1640, 6.65E-10(1.0 0.0)	1642, 6.39E-10(1.0 0.0)	1644, 6.34E-10(1.0 0.0)	1646, 6.28E-10(1.0 0.0)
1650, 6.36E-10(1.0 0.0)	1652, 5.54E-10(1.0 0.0)	1654, 5.47E-10(1.0 0.0)	1656, 6.32E-10(1.0 0.0)
1660, 6.50E-10(1.0 0.0)	1662, 6.18E-10(1.0 0.0)	1664, 6.05E-10(1.0 0.0)	1666, 6.41E-10(1.0 0.0)
1670, 6.52E-10(1.0 0.0)	1672, 6.68E-10(1.0 0.0)	1674, 6.96E-10(1.0 0.0)	1676, 6.87E-10(1.0 0.0)
1680, 6.55E-10(1.0 0.0)	1682, 6.73E-10(1.0 0.0)	1684, 6.67E-10(1.0 0.0)	1686, 6.61E-10(1.0 0.0)
1690, 6.84E-10(1.0 0.0)	1692, 6.94E-10(1.0 0.0)	1694, 6.94E-10(1.0 0.0)	1696, 6.86E-10(1.0 0.0)
1700, 6.72E-10(1.0 0.0)	1702, 7.01E-10(1.0 0.0)	1704, 7.36E-10(1.0 0.0)	1706, 7.44E-10(1.0 0.0)
1710, 6.77E-10(1.0 0.0)	1712, 6.40E-10(1.0 0.0)	1714, 6.22E-10(1.0 0.0)	1716, 6.29E-10(1.0 0.0)
1720, 6.23E-10(1.0 0.0)	1722, 6.95E-10(1.0 0.0)	1724, 5.94E-10(1.0 0.0)	1726, 6.27E-10(1.0 0.0)
1730, 5.95E-10(1.0 0.0)	1732, 6.06E-10(1.0 0.0)	1734, 2.8E-10(1.0 0.0)	1736, 6.57E-10(1.0 0.0)
1740, 6.85E-10(1.0 0.0)	1742, 6.58E-10(1.0 0.0)	1744, 6.29E-10(1.0 0.0)	1746, 6.06E-10(1.0 0.0)
1750, 5.76E-10(1.0 0.0)	1752, 5.75E-10(1.0 0.0)	1754, 5.74E-10(1.0 0.0)	1756, 5.79E-10(1.0 0.0)
1760, 5.84E-10(1.0 0.0)	1762, 5.80E-10(1.0 0.0)	1764, 5.87E-10(0.9 0.0)	1766, 6.04E-10(0.9 0.0)
1770, 6.01E-10(0.8 0.0)	1772, 5.92E-10(0.8 0.0)	1774, 5.86E-10(0.8 0.0)	1776, 5.83E-10(0.8 0.0)
1780, 5.89E-10(0.8 0.0)	1782, 5.72E-10(0.8 0.0)	1784, 5.58E-10(0.8 0.0)	1786, 5.69E-10(0.8 0.0)
1790, 6.13E-10(0.8 0.0)	1792, 6.25E-10(0.8 0.0)	1794, 6.37E-10(0.8 0.0)	1796, 6.44E-10(0.8 0.0)
1800, 6.22E-10(0.8 0.0)	1802, 6.18E-10(0.8 0.0)	1804, 5.94E-10(0.8 0.0)	1806, 5.89E-10(0.8 0.0)
1810, 6.17E-10(0.7 0.0)	1812, 6.40E-10(0.7 0.0)	1814, 6.61E-10(0.7 0.0)	1816, 6.62E-10(0.7 0.0)
1820, 6.31E-10(0.7 0.0)	1822, 6.39E-10(0.7 0.0)	1824, 6.46E-10(0.7 0.0)	1826, 6.34E-10(0.7 0.0)
1800, 6.20E-10(0.7 0.0)	1805, 5.93E-10(0.7 0.0)	1810, 6.18E-10(0.7 0.0)	1815, 6.59E-10(0.7 0.0)
1825, 6.38E-10(0.7 0.0)	1830, 6.17E-10(0.7 0.0)	1835, 6.17E-10(0.7 0.0)	1840, 5.87E-10(0.7 0.0)
1850, 5.75E-10(0.7 0.0)	1855, 5.36E-10(0.7 0.0)	1860, 5.57E-10(0.7 0.0)	1865, 5.78E-10(0.7 0.0)
1875, 5.41E-10(0.7 0.0)	1880, 5.43E-10(0.7 0.0)	1885, 5.19E-10(0.7 0.0)	1890, 4.81E-10(0.7 0.0)
1900, 5.18E-10(0.6 0.0)	1905, 5.29E-10(0.6 0.0)	1910, 4.84E-10(0.6 0.0)	1915, 4.42E-10(0.7 0.0)
1925, 4.70E-10(0.7 0.0)	1930, 4.29E-10(0.6 0.0)	1935, 4.70E-10(0.6 0.0)	1940, 4.62E-10(0.6 0.0)
1950, 4.04E-10(0.6 0.0)	1955, 3.94E-10(0.6 0.0)	1960, 4.13E-10(0.6 0.0)	1965, 4.48E-10(0.6 0.0)
1975, 4.50E-10(0.6 0.0)	1980, 4.33E-10(0.6 0.0)	1985, 4.43E-10(0.6 0.0)	1990, 4.49E-10(0.6 0.0)
2000, 4.24E-10(0.6 0.0)	2005, 4.16E-10(0.5 0.0)	2010, 4.27E-10(0.5 0.0)	2015, 4.29E-10(0.5 0.0)
2025, 3.82E-10(0.5 0.0)	2030, 3.69E-10(0.5 0.0)	2035, 3.75E-10(0.5 0.0)	2040, 4.11E-10(0.5 0.0)
2050, 4.33E-10(0.5 0.0)	2055E, 4.24E-10(0.5 0.0)	2060E, 4.06E-10(0.5 0.0)	2065E, 4.09E-10(0.4 0.0)
2075E, 4.33E-10(0.4 0.0)	2080E, 4.29E-10(0.4 0.0)	2085E, 4.11E-10(0.4 0.0)	2090E, 3.92E-10(0.4 0.0)
2100E, 3.68E-10(0.4 0.0)	2105E, 3.77E-10(0.4 0.0)	2110E, 3.85E-10(0.4 0.0)	2115E, 3.76E-10(0.4 0.0)
2125E, 3.47E-10(0.4 0.0)	2130E, 3.51E-10(0.4 0.0)	2135E, 3.65E-10(0.4 0.0)	2140E, 3.69E-10(0.4 0.0)
2150E, 3.20E-10(0.4 0.0)	2155E, 3.10E-10(0.4 0.0)	2160E, 3.23E-10(0.4 0.0)	2165E, 3.33E-10(0.4 0.0)
2175E, 3.14E-10(0.4 0.0)	2180E, 3.19E-10(0.4 0.0)	2185E, 3.27E-10(0.3 0.0)	2190E, 3.32E-10(0.3 0.0)
2200E, 3.23E-10(0.3 0.0)	2205E, 3.16E-10(0.3 0.0)	2210E, 3.13E-10(0.3 0.0)	2215E, 3.12E-10(0.3 0.0)
2225E, 3.01E-10(0.3 0.0)	2230E, 3.02E-10(0.3 0.0)	2235E, 3.14E-10(0.3 0.0)	2240E, 3.22E-10(0.3 0.0)
2250E, 3.12E-10(0.3 0.0)	2255E, 3.11E-10(0.3 0.0)	2260E, 3.15E-10(0.3 0.0)	2265E, 3.19E-10(0.3 0.0)
2275E, 3.07E-10(0.3 0.0)	2280E, 3.00E-10(0.3 0.0)	2285E, 3.01E-10(0.3 0.0)	2290E, 3.08E-10(0.3 0.0)
2300E, 3.08E-10(0.3 0.0)	2305E, 3.01E-10(0.3 0.0)	2310E, 3.00E-10(0.3 0.0)	2315E, 3.04E-10(0.3 0.0)
2300E, 3.08E-10(0.3 0.0)	2310E, 3.01E-10(0.3 0.0)	2320E, 3.01E-10(0.3 0.0)	2330E, 2.77E-10(0.3 0.0)
2350E, 2.84E-10(0.2 0.0)	2360E, 2.97E-10(0.2 0.0)	2370E, 3.09E-10(0.2 0.0)	2380E, 3.20E-10(0.2 0.0)
2400E, 2.98E-10(0.2 0.0)	2410E, 2.90E-10(0.2 0.0)	2420E, 2.99E-10(0.2 0.0)	2430E, 3.43E-10(0.2 0.0)
2450E, 3.46E-10(0.2 0.0)	2460E, 2.99E-10(0.2 0.0)	2470E, 2.83E-10(0.2 0.0)	2480E, 2.81E-10(0.2 0.0)
2500E, 3.16E-10(0.2 0.0)	2510E, 3.00E-10(0.2 0.0)	2520E, 2.84E-10(0.2 0.0)	2530E, 2.84E-10(0.2 0.0)
2550E, 2.91E-10(0.2 0.0)	2560E, 2.60E-10(0.2 0.0)	2570E, 2.50E-10(0.2 0.0)	2580E, 2.82E-10(0.2 0.0)
2600E, 3.26E-10(0.1 0.0)	2610E, 3.22E-10(0.1 0.0)	2620E, 3.17E-10(0.1 0.0)	0, 0, (0.0 0.0)
135, 0.00(0.0 0.0)	139, 0.00(0.0 0.0)	148, 0.00(0.0 0.0)	154, 1.78(0.9 0.0)
166, 1.86(1.0 0.0)	172, 1.89(1.0 0.0)	181, 1.94(0.8 0.0)	192, 2.21(0.6 0.0)
219E, 2.62(1.3 0.0)	245E, 2.71(1.2 0.0)	0, 0.00(0.0 0.0)	0, 0.00(0.0 0.0)

X,Y(MM) -4.5 -15.4 SL3-207 17 SCANS, T= 224 34 PER WT 1.0, SCALE 1.00

R = 0.60

LAMBDA, F (W.T. SIG)				F = AVE FLUX FROM LAM-DEL/2 TO LAM-DEL/2				LAMBDA, F (W.T. SIG)											
1700.0	0.0	(0.0)	0.0	1702U	6.60E-11	(3.0)	0.0	1704U	6.53E-11	(2.0)	0.0	1706U	6.13E-11	(2.0)	0.0	1708U	5.98E-11	(2.0)	0.0
1710U	6.21E-11	(2.0)	0.0	1712U	5.99E-11	(2.0)	0.0	1714U	5.90E-11	(2.0)	0.0	1716U	6.08E-11	(2.0)	0.0	1718U	5.99E-11	(2.0)	0.0
1720U	5.81E-11	(2.0)	0.0	1722U	5.89E-11	(3.0)	0.0	1724U	6.45E-11	(3.0)	0.0	1726U	7.23E-11	(4.0)	0.0	1728U	7.77E-11	(4.0)	0.0
1730U	7.38E-11	(4.0)	0.0	1732U	6.53E-11	(3.0)	0.0	1734U	5.05E-11	(2.0)	0.0	1736U	4.17E-11	(2.0)	0.0	1738U	5.13E-11	(2.0)	0.0
1740U	6.75E-11	(3.0)	0.0	1742U	7.48E-11	(4.0)	0.0	1744U	8.03E-11	(5.0)	0.0	1746U	8.08E-11	(5.0)	0.0	1748U	7.19E-11	(5.0)	0.0
1750U	6.37E-11	(4.0)	0.0	1752U	6.25E-11	(4.0)	0.0	1754U	6.35E-11	(5.0)	0.0	1756U	6.93E-11	(5.0)	0.0	1758U	7.16E-11	(6.0)	0.0
1760U	7.31E-11	(5.0)	0.0	1762U	7.09E-11	(5.0)	0.0	1764U	6.27E-11	(6.0)	0.0	1766U	6.32E-11	(6.0)	0.0	1768U	5.95E-11	(6.0)	0.0
1770U	5.83E-11	(5.0)	0.0	1772U	6.63E-11	(6.0)	0.0	1774U	6.90E-11	(6.0)	0.0	1776U	6.53E-11	(6.0)	0.0	1778U	6.41E-11	(6.0)	0.0
1780U	6.62E-11	(6.0)	0.0	1782U	6.71E-11	(6.0)	0.0	1784U	6.61E-11	(6.0)	0.0	1786U	6.91E-11	(7.0)	0.0	1788U	7.22E-11	(7.0)	0.0
1790U	7.21E-11	(8.0)	0.0	1792U	7.56E-11	(9.0)	0.0	1794U	8.39E-11	(11.0)	0.0	1796U	8.78E-11	(11.0)	0.0	1798U	8.49E-11	(11.0)	0.0
1800U	8.36E-11	(11.0)	0.0	1802U	8.44E-11	(11.0)	0.0	1804U	8.67E-11	(11.0)	0.0	1806U	8.70E-11	(11.0)	0.0	1808U	8.55E-11	(11.0)	0.0
1810U	8.21E-11	(11.0)	0.0	1812U	8.30E-11	(11.0)	0.0	1814U	8.49E-11	(11.0)	0.0	1816U	8.63E-11	(11.0)	0.0	1818U	8.57E-11	(11.0)	0.0
1820U	8.71E-11	(11.0)	0.0	1822U	8.93E-11	(11.0)	0.0	1824U	9.02E-11	(11.0)	0.0	1826U	9.00E-11	(11.0)	0.0	1828U	9.00E-11	(11.0)	0.0
1800U	8.40E-11	(1.0)	0.0	1805U	8.66E-11	(1.0)	0.0	1810U	8.32E-11	(1.0)	0.0	1815U	8.55E-11	(1.0)	0.0	1820U	8.73E-11	(1.0)	0.0
1825U	9.00E-11	(1.0)	0.0	1830U	8.40E-11	(1.0)	0.0	1835U	7.86E-11	(1.0)	0.0	1840U	8.53E-11	(1.0)	0.0	1845U	8.77E-11	(1.0)	0.0
1850U	8.51E-11	(1.0)	0.0	1855U	7.96E-11	(1.0)	0.0	1860U	7.90E-11	(1.0)	0.0	1865U	7.68E-11	(1.0)	0.0	1870U	7.40E-11	(1.0)	0.0
1875U	7.71E-11	(1.0)	0.0	1880U	7.87E-11	(1.0)	0.0	1885U	7.37E-11	(1.0)	0.0	1890U	7.32E-11	(1.0)	0.0	1895U	7.48E-11	(1.0)	0.0
1900U	7.44E-11	(1.0)	0.0	1905U	7.54E-11	(1.0)	0.0	1910U	7.95E-11	(1.0)	0.0	1915U	7.40E-11	(1.0)	0.0	1920U	7.34E-11	(1.0)	0.0
1925U	7.38E-11	(1.0)	0.0	1930U	7.30E-11	(1.0)	0.0	1935U	7.11E-11	(1.0)	0.0	1940U	6.69E-11	(1.0)	0.0	1945U	6.45E-11	(1.0)	0.0
1950U	6.43E-11	(1.0)	0.0	1955U	6.93E-11	(1.0)	0.0	1960U	6.80E-11	(1.0)	0.0	1965U	6.47E-11	(1.0)	0.0	1970U	6.49E-11	(1.0)	0.0
1975U	6.23E-11	(1.0)																	

 $R = 0.46:$

[illegible] $R = (0.65)$

LAMBDA F ( W T S IG)				F = AVE FLUX FROM LAM-DEL/2 TO LAM-DEL/2				LAMBDA F ( W T S IG)				F = AVE FLUX FROM LAM-DEL/2 TO LAM-DEL/2				LAMBDA F ( W T S IG)				F = AVE FLUX FROM LAM-DEL/2 TO LAM-DEL/2																																																																																																																																																																																																																																																																																																																																																																																																											
1580U	1.69E-10	(.3)	0.0	1582U	1.82E-10	(.4)	0.0	1584U	1.79E-10	(.4)	0.0	1586U	1.69E-10	(.4)	0.0	1588U	1.70E-10	(.4)	0.0	1590U	1.69E-10	(.4)	0.0	1592U	1.76E-10	(.4)	0.0	1594U	1.66E-10	(.4)	0.0	1596U	1.71E-10	(.4)	0.0	1598U	1.70E-10	(.4)	0.0	1600U	1.74E-10	(.5)	0.0	1602U	1.87E-10	(.5)	0.0	1604U	1.90E-10	(.6)	0.0	1606U	1.98E-10	(.6)	0.0	1608U	1.86E-10	(.6)	0.0	1610U	1.80E-10	(.6)	0.0	1612U	1.75E-10	(.5)	0.0	1614U	1.69E-10	(.6)	0.0	1616U	1.89E-10	(.6)	0.0	1618U	1.99E-10	(.6)	0.0	1620U	1.80E-10	(.6)	0.0	1622U	1.47E-10	(.6)	0.0	1624U	1.58E-10	(.6)	0.0	1626U	1.78E-10	(.6)	0.0	1628U	1.64E-10	(.6)	0.0	1630U	1.33E-10	(.5)	0.0	1632U	1.31E-10	(.5)	0.0	1634U	1.59E-10	(.6)	0.0	1636U	1.74E-10	(.6)	0.0	1638U	1.55E-10	(.6)	0.0	1640U	1.55E-10	(.7)	0.0	1642U	2.01E-10	(.7)	0.0	1644U	2.27E-10	(.7)	0.0	1646U	2.10E-10	(.7)	0.0	1648U	1.95E-10	(.7)	0.0	1650U	1.91E-10	(.7)	0.0	1652U	1.93E-10	(.7)	0.0	1654U	2.02E-10	(.7)	0.0	1656U	1.95E-10	(.7)	0.0	1658U	2.06E-10	(.7)	0.0	1660U	1.78E-10	(.9)	0.0	1662U	1.78E-10	(.9)	0.0	1664U	1.97E-10	(.9)	0.0	1666U	2.09E-10	(.9)	0.0	1668U	2.06E-10	(.9)	0.0	1670U	2.12E-10	(.10)	0.0	1672U	2.23E-10	(.10)	0.0	1674U	2.32E-10	(.9)	0.0	1676U	2.27E-10	(.9)	0.0	1678U	2.16E-10	(.8)	0.0	1680U	2.12E-10	(.8)	0.0	1682U	2.06E-10	(.8)	0.0	1684U	2.02E-10	(.7)	0.0	1686U	2.10E-10	(.7)	0.0	1688U	2.30E-10	(.7)	0.0	1690U	2.47E-10	(.7)	0.0	1692U	2.35E-10	(.7)	0.0	1694U	2.31E-10	(.7)	0.0	1696U	2.45E-10	(.7)	0.0	1698U	2.45E-10	(.7)	0.0	1700U	2.32E-10	(.7)	0.0	1702U	2.27E-10	(.7)	0.0	1704U	2.31E-10	(.7)	0.0	1706U	2.39E-10	(.7)	0.0	1708U	2.50E-10	(.7)	0.0	1710U	2.51E-10	(.7)	0.0	1712U	2.45E-10	(.7)	0.0	1714U	2.43E-10	(.7)	0.0	1716U	2.37E-10	(.7)	0.0	1718U	2.19E-10	(.7)	0.0	1720U	2.06E-10	(.7)	0.0	1722U	2.14E-10	(.7)	0.0	1724U	2.27E-10	(.7)	0.0	1726U	2.29E-10	(.7)	0.0	1728U	2.29E-10	(.7)	0.0	1730U	2.17E-10	(.7)	0.0	1732U	2.17E-10	(.7)	0.0	1734U	2.19E-10	(.7)	0.0	1736U	2.27E-10	(.7)	0.0	1738U	2.30E-10	(.7)	0.0	1740U	2.17E-10	(.7)	0.0	1742U	2.17E-10	(.7)	0.0	1744U	2.29E-10	(.7)	0.0	1746U	2.27E-10	(.7)	0.0	1748U	2.30E-10	(.7)	0.0	1750U	2.22E-10	(.7)	0.0	1752U	2.09E-10	(.7)	0.0	1754U	2.04E-10	(.7)	0.0	1756U	2.11E-10	(.7)	0.0	1758U	2.17E-10	(.7)	0.0	1760U	2.13E-10	(.7)	0.0	1762U	2.08E-10	(.7)	0.0	1764U	2.08E-10	(.7)	0.0	1766U	2.13E-10	(.7)	0.0	1768U	2.16E-10	(.7)	0.0	1770U	2.08E-10	(.7)	0.0	1772U	1.97E-10	(.7)	0.0	1774U	1.92E-10	(.7)	0.0	1776U	1.95E-10	(.7)	0.0	1778U	1.96E-10	(.7)	0.0	1780U	1.92E-10	(.7)	0.0	1782U	1.85E-10	(.7)	0.0	1784U	1.80E-10	(.7)	0.0	1786U	1.76E-10	(.7)	0.0

X,Y(MM) -6.5 -1.8 SL3-207 17 SCANS, T= 224 HR 1063 WT 1.0, SCALE 1.00

 $R = 0.76$

$$R = 0.54 \pm$$

HD 21933

6 TAU

HD 21933

LAMBDA, F (WT, SIG)	F = AVE FLUX FROM LAM-DEL/2 TO LAM+DEL/2		
1600U 1.14E-10(.2 0.0)	1602U 1.24E-10(.2 0.0)	1604U 1.05E-10(.2 0.0)	1606U 1.00E-10(.2 0.0)
1610U 1.06E-10(.3 0.0)	1612U 1.26E-10(.3 0.0)	1614U 1.30E-10(.3 0.0)	1616U 1.17E-10(.3 0.0)
1620U 1.18E-10(.3 0.0)	1622U 1.34E-10(.4 0.0)	1624U 1.21E-10(.4 0.0)	1626U 1.13E-10(.4 0.0)
1630U 1.16E-10(.4 0.0)	1632U 9.91E-11(.3 0.0)	1634U 7.66E-11(.2 0.0)	1636U 7.93E-11(.2 0.0)
1640U 1.09E-10(.3 0.0)	1642U 8.84E-11(.3 0.0)	1644U 8.34E-11(.3 0.0)	1646U 1.03E-10(.3 0.0)
1650U 1.12E-10(.4 0.0)	1652U 1.09E-10(.4 0.0)	1654U 1.01E-10(.4 0.0)	1656U 8.44E-11(.3 0.0)
1660U 9.50E-11(.3 0.0)	1662U 9.95E-11(.4 0.0)	1664U 1.07E-10(.5 0.0)	1666U 1.14E-10(.5 0.0)
1670U 1.23E-10(.6 0.0)	1672U 1.31E-10(.7 0.0)	1674U 1.32E-10(.7 0.0)	1676U 1.24E-10(.6 0.0)
1680U 1.16E-10(.6 0.0)	1682U 1.29E-10(.7 0.0)	1684U 1.31E-10(.7 0.0)	1686U 1.25E-10(.8 0.0)
1690U 1.12E-10(.6 0.0)	1692U 1.02E-10(.6 0.0)	1694U 1.12E-10(.7 0.0)	1696U 1.20E-10(.7 0.0)
1700U 1.20E-10(.8 0.0)	1702U 1.17E-10(.8 0.0)	1704U 1.16E-10(.8 0.0)	1706U 1.17E-10(.8 0.0)
1710U 1.15E-10(.8 0.0)	1712U 1.03E-10(.8 0.0)	1714U 1.02E-10(.8 0.0)	1716U 1.04E-10(.8 0.0)
1720U 1.06E-10(.9 0.0)	1722U 1.14E-10(.9 0.0)	1724U 1.14E-10(.9 0.0)	1726U 1.07E-10(.9 0.0)
1730U 1.05E-10(1.0 0.0)	1732U 1.04E-10(1.0 0.0)	1734U 9.88E-11(.9 0.0)	1736U 9.25E-11(.8 0.0)
1740U 8.56E-11(.8 0.0)	1742U 8.95E-11(.9 0.0)	1744U 9.64E-11(1.0 0.0)	1746U 9.71E-11(1.0 0.0)
1750U 9.57E-11(1.0 0.0)	1752U 9.92E-11(1.0 0.0)	1754U 9.85E-11(1.0 0.0)	1756U 9.19E-11(1.0 0.0)
1760U 8.51E-11(1.0 0.0)	1762U 9.57E-11(1.0 0.0)	1764U 1.06E-10(1.0 0.0)	1766U 1.02E-10(1.0 0.0)
1770U 9.54E-11(1.0 0.0)	1772U 9.63E-11(1.0 0.0)	1774U 9.13E-11(1.0 0.0)	1776U 8.56E-11(1.0 0.0)
1780U 8.85E-11(1.0 0.0)	1782U 9.09E-11(1.0 0.0)	1784U 9.04E-11(1.0 0.0)	1786U 9.00E-11(1.0 0.0)
1790U 9.74E-11(1.0 0.0)	1792U 9.01E-11(1.0 0.0)	1794U 1.00E-10(1.0 0.0)	1796U 9.74E-11(1.0 0.0)
1800U 9.22E-11(1.0 0.0)	1802U 9.01E-11(1.0 0.0)	1804U 8.92E-11(1.0 0.0)	1806U 9.05E-11(1.0 0.0)
1810U 9.46E-11(1.0 0.0)	1812U 9.54E-11(1.0 0.0)	1814U 9.56E-11(1.0 0.0)	1816U 9.38E-11(1.0 0.0)
1820U 9.50E-11(1.0 0.0)	1822U 9.95E-11(1.0 0.0)	1824U 1.03E-10(1.0 0.0)	1826U 1.04E-10(1.0 0.0)
1800U 9.21E-11(1.0 0.0)	1805U 9.01E-11(1.0 0.0)	1810U 9.43E-11(1.0 0.0)	1815U 9.46E-11(1.0 0.0)
1825U 1.04E-10(1.0 0.0)	1830U 1.04E-10(1.0 0.0)	1835U 9.80E-11(1.0 0.0)	1840U 9.09E-11(1.0 0.0)
1850U 8.14E-11(1.0 0.0)	1855U 7.71E-11(1.0 0.0)	1860U 8.65E-11(1.0 0.0)	1865U 9.25E-11(1.0 0.0)
1875U 9.83E-11(1.0 8)	1880U 9.12E-11(1.1 3)	1885U 9.15E-11(1.1 1)	1890U 9.80E-11(1.2 3.6)
1900U 9.59E-11(1.2 9.7)	1905U 9.41E-11(1.3 10.2)	1910U 9.02E-11(1.3 4.1)	1915U 8.56E-11(1.3 2.8)
1925U 9.67E-11(1.4 8.8)	1930U 9.60E-11(1.5 6.4)	1935U 9.25E-11(1.5 1.8)	1940U 8.62E-11(1.5 .9)
1950U 8.77E-11(1.6 5.6)	1955U 8.98E-11(1.7 10.5)	1960U 8.71E-11(1.7 5.7)	1965U 8.40E-11(1.8 1.6)
1975U 8.14E-11(1.8 4.2)	1980U 8.53E-11(1.9 4.6)	1985U 9.17E-11(1.9 8.1)	1990U 9.35E-11(2.0 9.1)
2000U 8.41E-11(2.0 6.2)	2005U 7.84E-11(2.0 3.1)	2010U 8.26E-11(2.0 5.4)	2015U 8.55E-11(2.0 8.6)
2025U 8.64E-11(2.2 19.7)	2030U 8.91E-11(2.2 12.8)	2035U 7.73E-11(2.2 13.6)	2040U 8.89E-11(2.2 12.7)
2050U 8.56E-11(1.9 7.7)	2055U 8.73E-11(1.9 7.9)	2060U 8.89E-11(1.9 10.7)	2065U 8.78E-11(1.9 9.5)
2075U 8.59E-11(1.9 7.6)	2080U 8.68E-11(1.9 6.0)	2085U 8.42E-11(1.9 4.8)	2090U 8.15E-11(1.8 4.9)
2100U 8.41E-11(1.8 2.9)	2105U 8.41E-11(1.8 3.3)	2110U 8.30E-11(1.8 4.0)	2115U 8.23E-11(1.8 5.0)
2125U 7.94E-11(1.8 1.7)	2130U 7.58E-11(1.8 2.3)	2135U 7.61E-11(1.8 3.2)	2140U 7.96E-11(1.7 5.5)
2150U 8.08E-11(1.7 3.2)	2155U 7.73E-11(1.7 2.8)	2160U 7.53E-11(1.7 2.2)	2165U 7.71E-11(1.7 7.7)
2175U 8.32E-11(1.6 3.5)	2180U 8.04E-11(1.6 5.5)	2185U 7.74E-11(1.6 2.7)	2190U 7.68E-11(1.6 3.6)
2200U 7.59E-11(1.6 10.1)	2205U 7.58E-11(1.6 6.9)	2210U 7.65E-11(1.6 2.8)	2215U 7.69E-11(1.6 3.3)
2225U 7.34E-11(1.6 3.2)	2230U 7.25E-11(1.6 2.1)	2235U 7.23E-11(1.6 3.2)	2240U 7.23E-11(1.5 3.5)
2250U 7.03E-11(1.5 3.8)	2255U 6.82E-11(1.5 4.3)	2260U 6.63E-11(1.5 4.2)	2265U 6.48E-11(1.5 3.6)
2275U 6.60E-11(1.5 3.2)	2280U 6.94E-11(1.5 .6)	2285U 7.18E-11(1.5 3.1)	2290U 7.20E-11(1.4 5.2)
2300U 7.03E-11(1.4 2.5)	2305U 7.01E-11(1.4 0.0)	2310U 7.01E-11(1.4 1.3)	2315U 7.03E-11(1.4 .3)
2330U 7.04E-11(1.4 2.6)	2331U 7.01E-11(1.4 1.0)	2332U 7.02E-11(1.4 2.5)	2333U 6.91E-11(1.4 5.2)
2350U 6.32E-11(1.4 6)	2360U 6.45E-11(1.4 .1)	2370U 6.17E-11(1.4 .8)	2380U 5.80E-11(1.4 1.3)
2400U 5.64E-11(1.4 3.3)	2410U 5.71E-11(1.4 .1)	2420U 5.92E-11(1.3 2.0)	2430U 6.09E-11(1.3 8.5)
2450U 5.90E-11(1.3 6.7)	2460U 5.78E-11(1.3 2.2)	2470U 5.74E-11(1.3 3.4)	2480U 5.73E-11(1.3 6.1)
2500U 5.85E-11(1.2 12.2)	2510U 5.73E-11(1.2 11.7)	2520U 5.59E-11(1.2 9.8)	2530U 5.51E-11(1.2 7.4)
2550U 5.50E-11(1.2 4.5)	2560U 5.43E-11(1.2 4.5)	2570U 5.24E-11(1.2 5.5)	2580U 5.19E-11(1.2 9.5)
2600U 5.45E-11(1.1 12.9)	2610U 5.38E-11(1.1 11.2)	2620U 5.33E-11(1.1 8.0)	2630U 5.47E-11(1.1 4.5)
2650U 5.86E-11(1.1 2.5)	2660U 5.98E-11(1.0 3.1)	2670U 6.09E-11(1.0 3.6)	2680U 6.12E-11(1.0 3.8)
2700U 6.05E-11(1.0 3.3)	2710U 6.07E-11(1.0 3.1)	2720U 6.09E-11(1.0 2.4)	2730U 6.07E-11(1.0 2.8)
2750E 6.03E-11(.9 5.5)	2760E 5.91E-11(.9 6.8)	2770E 5.84E-11(.9 9.1)	2780E 5.86E-11(.9 12.7)
2800E 5.89E-11(.9 19.8)	2810E 5.87E-11(.9 20.4)	2820E 5.93E-11(.9 18.5)	2830E 6.02E-11(.9 15.1)
2850E 6.01E-11(.9 8.6)	2860E 5.99E-11(.8 5.7)	2870E 5.98E-11(.8 3.0)	2880E 5.89E-11(.8 1.5)
2900E 5.84E-11(.8 5.8)	2910E 6.04E-11(.8 9.5)	2920E 6.29E-11(.8 11.9)	2930E 6.45E-11(.8 12.9)
2950E 6.44E-11(.7 12.4)	2960E 6.35E-11(.7 13.2)	2970E 6.30E-11(.7 15.3)	2980E 6.33E-11(.7 17.7)
3000E 6.64E-11(.7 18.7)	3010E 6.74E-11(.7 16.9)	3020E 6.71E-11(.7 15.4)	3030E 6.59E-11(.7 14.6)
3000E 6.62E-11(.7 18.6)	3020E 6.70E-11(.7 15.4)	3040E 6.42E-11(.7 15.6)	3060E 6.21E-11(.6 20.0)
3100E 6.41E-11(.6 24.2)	3120E 6.66E-11(.6 25.6)	3140E 6.83E-11(.6 22.4)	3160E 6.69E-11(.5 27.1)
3200E 6.57E-11(.5 29.6)	3220E 6.54E-11(.5 28.6)	3240E 6.71E-11(.5 25.6)	3260E 6.78E-11(.5 24.9)
3300E 6.81E-11(.5 28.2)	3320E 6.90E-11(.5 25.1)	3340E 6.71E-11(.5 21.1)	3360E 6.42E-11(.5 20.8)
3400E 6.05E-11(.5 28.5)	3420E 5.91E-11(.5 26.4)	3440E 5.78E-11(.5 22.4)	3460E 5.50E-11(.5 19.8)
3500E 4.85E-11(.6 21.5)	3520E 4.71E-11(.6 22.8)	3540E 4.61E-11(.6 22.7)	3560E 4.48E-11(.6 21.3)
3600E 4.21E-11(.6 18.8)	3620E 4.23E-11(.6 19.3)	3640E 4.33E-11(.6 21.7)	3660E 4.42E-11(.6 26.5)
3700E 4.45E-11(.6 38.3)	3720E 4.43E-11(.6 42.7)	3740E 4.47E-11(.6 43.7)	3760E 4.60E-11(.5 42.4)
3800E 5.08E-11(.5 38.6)	3820E 5.37E-11(.5 38.0)	3840E 5.62E-11(.5 37.5)	3860E 5.83E-11(.5 37.2)
3900E 6.22E-11(.5 36.7)	3920E 6.33E-11(.5 37.3)	3940E 6.43E-11(.5 39.7)	3960E 6.39E-11(.5 41.4)
4000E 6.16E-11(.5 46.3)	4020E 6.02E-11(.5 47.4)	4040E 6.03E-11(.5 50.0)	4060E 6.09E-11(.5 52.0)
4100E 6.27E-11(.5 54.7)	4120E 6.38E-11(.6 55.5)	4140E 6.46E-11(.6 55.5)	4160E 6.49E-11(.6 54.7)
135U 0.00(0.0 0.0)	139U 0.00(0.0 0.0)	148U 0.00(0.0 0.0)	154U 0.00(0.0 0.0)
166U 3.80(.5 0.0)	172U 3.86(.9 0.0)	181U 3.97(1.0 0.0)	192U 4.01(1.4 0.0)
219U 4.21(1.6 .4)	245U 4.48(1.3 4.0)	280E 4.44(.9 10.2)	360E 4.59(.6 25.5)
X,Y(MM) 3.6 7.4 SL3-215	19 SCANS, T= 269	6 TAU	WT 1.0, SCALE 1.07
X,Y(MM) 3.6 7.4 SL3-216	21 SCANS, T= 78	6 TAU	WT 1.0, SCALE .92

R = 0.52:

P. 0 95



HD 22780

HR 1113

HD 22780

LAMBDA	F	(WT, SIG)	F = AVE FLUX	FROM LAM-DEL/2 TO LAM+DEL/2
1710	1.13E-10	(.7 0.0)	1712	1.17E-10(.8 0.0)
1720	1.36E-10	(1.0 0.0)	1722	1.25E-10(.9 0.0)
1730	1.48E-10	(1.0 0.0)	1732	1.46E-10(1.0 0.0)
1740	1.76E-10	(1.0 0.0)	1742	1.90E-10(1.0 0.0)
1750	1.74E-10	(1.0 0.0)	1752	1.81E-10(1.0 0.0)
1760	1.52E-10	(1.0 0.0)	1762	1.60E-10(1.0 0.0)
1770	1.35E-10	(1.0 0.0)	1772	1.34E-10(1.0 0.0)
1780	1.14E-10	(1.0 0.0)	1782	1.16E-10(1.0 0.0)
1790	1.31E-10	(1.0 0.0)	1792	1.31E-10(1.0 0.0)
1800	1.35E-10	(1.0 0.0)	1802	1.36E-10(.9 0.0)
1810	1.45E-10	(.9 0.0)	1812	1.40E-10(.9 0.0)
1820	1.38E-10	(.9 0.0)	1822	1.45E-10(.9 0.0)
1830	1.43E-10	(.9 0.0)	1832	1.45E-10(.9 0.0)
1840	1.35E-10	(.9 0.0)	1842	1.36E-10(.9 0.0)
1850	1.41E-10	(.8 0.0)	1852	1.35E-10(.8 0.0)
1860	1.30E-10	(.8 0.0)	1862	1.29E-10(.8 0.0)
1870	1.23E-10	(.8 0.0)	1872	1.21E-10(.8 0.0)
1880	1.25E-10	(.8 0.0)	1882	1.21E-10(.8 0.0)
1890	1.07E-10	(.8 0.0)	1892	1.09E-10(.8 0.0)
1900	1.13E-10	(.8 0.0)	1902	1.05E-10(.7 0.0)
1910	1.07E-10	(.8 0.0)	1912	1.04E-10(.7 0.0)
1920	1.01E-10	(.7 0.0)	1922	9.93E-11(.7 0.0)
1930	9.83E-11	(.7 0.0)	1932	9.55E-11(.6 0.0)
1940	9.83E-11	(.6 0.0)	1942	8.76E-11(.6 0.0)
1950	1.06E-10	(.5 0.0)	1952	9.58E-11(.5 0.0)
1960	9.16E-11	(.5 0.0)	1962	8.95E-11(.5 0.0)
1970	9.63E-11	(.5 0.0)	1972	9.08E-11(.5 0.0)
1980	1.08E-10	(.4 0.0)	1982	1.06E-10(.4 0.0)
1990	1.10E-10	(.4 0.0)	1992	1.00E-10(.4 0.0)
2000	9.49E-11	(.4 0.0)	2002	9.79E-11(.4 0.0)
2010	9.84E-11	(.4 0.0)	2012	9.42E-11(.4 0.0)
2020	9.12E-11	(.3 0.0)	2022	8.81E-11(.3 0.0)
2030	8.88E-11	(.3 0.0)	2032	8.96E-11(.3 0.0)
2040	8.75E-11	(.3 0.0)	2042	8.56E-11(.3 0.0)
2050	8.84E-11	(.3 0.0)	2052	8.67E-11(.3 0.0)
2060	8.96E-11	(.2 0.0)	2062	8.61E-11(.2 0.0)
2070	8.91E-11	(.2 0.0)	2072	8.33E-11(.2 0.0)
2080	7.51E-11	(.2 0.0)	2082	7.46E-11(.2 0.0)
2090	6.85E-11	(.2 0.0)	2092	6.55E-11(.2 0.0)
2100	6.77E-11	(.2 0.0)	2102	6.70E-11(.2 0.0)
2110	6.43E-11	(.2 0.0)	2112	6.09E-11(.2 0.0)
2120	6.75E-11	(.2 0.0)	2122	7.01E-11(.1 0.0)
2130	6.27E-11	(.2 0.0)	2132	6.09E-11(.1 0.0)
2140	6.05E-11	(.1 0.0)	2142	5.59E-11(.1 0.0)
2150	5.48E-11	(.1 0.0)	2152	5.78E-11(.1 0.0)
2160	6.32E-11	(.1 0.0)	2162	6.51E-11(.1 0.0)
2170	5.86E-11	(.1 0.0)	2172	5.59E-11(.1 0.0)
2180	5.54E-11	(.1 0.0)	2182	5.35E-11(.1 0.0)
2190	5.50E-11	(.1 0.0)	2192	5.36E-11(.1 0.0)
2200	5.54E-11	(.1 0.0)	2202	5.83E-11(.1 0.0)
2210	0.00(0.0 0.0)		2212	0.00(0.0 0.0)
2220	0.00(0.0 0.0)		2222	3.57(.9 0.0)
2230	3.93(.4 0.0)		2232	4.44(.1 0.0)
2240	0.00(0.0 0.0)		2242	0.00(0.0 0.0)
2250	0.00(0.0 0.0)		2252	3.65(.8 0.0)
2260	0.00(0.0 0.0)		2262	0.00(0.0 0.0)
2270	0.00(0.0 0.0)		2272	0.00(0.0 0.0)
2280	0.00(0.0 0.0)		2282	0.00(0.0 0.0)
2290	0.00(0.0 0.0)		2292	0.00(0.0 0.0)
2300	0.00(0.0 0.0)		2302	0.00(0.0 0.0)
2310	0.00(0.0 0.0)		2312	0.00(0.0 0.0)
2320	0.00(0.0 0.0)		2322	0.00(0.0 0.0)
2330	0.00(0.0 0.0)		2332	0.00(0.0 0.0)
2340	0.00(0.0 0.0)		2342	0.00(0.0 0.0)
2350	0.00(0.0 0.0)		2352	0.00(0.0 0.0)
2360	0.00(0.0 0.0)		2362	0.00(0.0 0.0)
2370	0.00(0.0 0.0)		2372	0.00(0.0 0.0)
2380	0.00(0.0 0.0)		2382	0.00(0.0 0.0)
2390	0.00(0.0 0.0)		2392	0.00(0.0 0.0)
2400	0.00(0.0 0.0)		2402	0.00(0.0 0.0)
2410	0.00(0.0 0.0)		2412	0.00(0.0 0.0)
2420	0.00(0.0 0.0)		2422	0.00(0.0 0.0)
2430	0.00(0.0 0.0)		2432	0.00(0.0 0.0)
2440	0.00(0.0 0.0)		2442	0.00(0.0 0.0)
2450	0.00(0.0 0.0)		2452	0.00(0.0 0.0)
2460	0.00(0.0 0.0)		2462	0.00(0.0 0.0)
2470	0.00(0.0 0.0)		2472	0.00(0.0 0.0)
2480	0.00(0.0 0.0)		2482	0.00(0.0 0.0)
2490	0.00(0.0 0.0)		2492	0.00(0.0 0.0)
2500	0.00(0.0 0.0)		2502	0.00(0.0 0.0)
2510	0.00(0.0 0.0)		2512	0.00(0.0 0.0)
2520	0.00(0.0 0.0)		2522	0.00(0.0 0.0)
2530	0.00(0.0 0.0)		2532	0.00(0.0 0.0)
2540	0.00(0.0 0.0)		2542	0.00(0.0 0.0)
2550	0.00(0.0 0.0)		2552	0.00(0.0 0.0)
2560	0.00(0.0 0.0)		2562	0.00(0.0 0.0)
2570	0.00(0.0 0.0)		2572	0.00(0.0 0.0)
2580	0.00(0.0 0.0)		2582	0.00(0.0 0.0)
2590	0.00(0.0 0.0)		2592	0.00(0.0 0.0)
2600	0.00(0.0 0.0)		2602	0.00(0.0 0.0)
2610	0.00(0.0 0.0)		2612	0.00(0.0 0.0)
2620	0.00(0.0 0.0)		2622	0.00(0.0 0.0)
2630	0.00(0.0 0.0)		2632	0.00(0.0 0.0)
2640	0.00(0.0 0.0)		2642	0.00(0.0 0.0)
2650	0.00(0.0 0.0)		2652	0.00(0.0 0.0)
2660	0.00(0.0 0.0)		2662	0.00(0.0 0.0)
2670	0.00(0.0 0.0)		2672	0.00(0.0 0.0)
2680	0.00(0.0 0.0)		2682	0.00(0.0 0.0)
2690	0.00(0.0 0.0)		2692	0.00(0.0 0.0)
2700	0.00(0.0 0.0)		2702	0.00(0.0 0.0)
2710	0.00(0.0 0.0)		2712	0.00(0.0 0.0)
2720	0.00(0.0 0.0)		2722	0.00(0.0 0.0)
2730	0.00(0.0 0.0)		2732	0.00(0.0 0.0)
2740	0.00(0.0 0.0)		2742	0.00(0.0 0.0)
2750	0.00(0.0 0.0)		2752	0.00(0.0 0.0)
2760	0.00(0.0 0.0)		2762	0.00(0.0 0.0)
2770	0.00(0.0 0.0)		2772	0.00(0.0 0.0)
2780	0.00(0.0 0.0)		2782	0.00(0.0 0.0)
2790	0.00(0.0 0.0)		2792	0.00(0.0 0.0)
2800	0.00(0.0 0.0)		2802	0.00(0.0 0.0)
2810	0.00(0.0 0.0)		2812	0.00(0.0 0.0)
2820	0.00(0.0 0.0)		2822	0.00(0.0 0.0)
2830	0.00(0.0 0.0)		2832	0.00(0.0 0.0)
2840	0.00(0.0 0.0)		2842	0.00(0.0 0.0)
2850	0.00(0.0 0.0)		2852	0.00(0.0 0.0)
2860	0.00(0.0 0.0)		2862	0.00(0.0 0.0)
2870	0.00(0.0 0.0)		2872	0.00(0.0 0.0)
2880	0.00(0.0 0.0)		2882	0.00(0.0 0.0)
2890	0.00(0.0 0.0)		2892	0.00(0.0 0.0)
2900	0.00(0.0 0.0)		2902	0.00(0.0 0.0)
2910	0.00(0.0 0.0)		2912	0.00(0.0 0.0)
2920	0.00(0.0 0.0)		2922	0.00(0.0 0.0)
2930	0.00(0.0 0.0)		2932	0.00(0.0 0.0)
2940	0.00(0.0 0.0)		2942	0.00(0.0 0.0)
2950	0.00(0.0 0.0)		2952	0.00(0.0 0.0)
2960	0.00(0.0 0.0)		2962	0.00(0.0 0.0)
2970	0.00(0.0 0.0)		2972	0.00(0.0 0.0)
2980	0.00(0.0 0.0)		2982	0.00(0.0 0.0)
2990	0.00(0.0 0.0)		2992	0.00(0.0 0.0)
3000	0.00(0.0 0.0)		3002	0.00(0.0 0.0)
3010	0.00(0.0 0.0)		3012	0.00(0.0 0.0)
3020	0.00(0.0 0.0)		3022	0.00(0.0 0.0)
3030	0.00(0.0 0.0)		3032	0.00(0.0 0.0)
3040	0.00(0.0 0.0)		3042	0.00(0.0 0.0)
3050	0.00(0.0 0.0)		3052	0.00(0.0 0.0)
3060	0.00(0.0 0.0)		3062	0.00(0.0 0.0)
3070	0.00(0.0 0.0)		3072	0.00(0.0 0.0)
3080	0.00(0.0 0.0)		3082	0.00(0.0 0.0)
3090	0.00(0.0 0.0)		3092	0.00(0.0 0.0)
3100	0.00(0.0 0.0)		3102	0.00(0.0 0.0)
3110	0.00(0.0 0.0)		3112	0.00(0.0 0.0)
3120	0.00(0.0 0.0)		3122	0.00(0.0 0.0)
3130	0.00(0.0 0.0)		3132	0.00(0.0 0.0)
3140	0.00(0.0 0.0)		3142	0.00(0.0 0.0)
3150	0.00(0.0 0.0)		3152	0.00(0.0 0.0)
3160	0.00(0.0 0.0)		3162	0.00(0.0 0.0)
3170	0.00(0.0 0.0)		3172	0.00(0.0 0.0)
3180	0.00(0.0 0.0)		3182	0.00(0.0 0.0)
3190	0.00(0.0 0.0)		3192	0.00(0.0 0.0)
3200	0.00(0.0 0.0)		3202	0.00(0.0 0.0)
3210	0.00(0.0 0.0)		3212	0.00(0.0 0.0)
3220	0.00(0.0 0.0)		3222	0.00(0.0 0.0)
3230	0.00(0.0 0.0)		3232	0.00(0.0 0.0)
3240	0.00(0.0 0.0)		3242	0.00(0.0 0.0)
3250	0.00(0.0 0.0)		3252	0.00(0.0 0.0)
3260	0.00(0.0 0.0)		3262	0.00(0.0 0.0)
3270	0.00(0.0 0.0)		3272	0.00(0.0 0.0)
3280	0.00(0.0 0.0)		3282	0.00(0.0 0.0)
3290	0.00(0.0 0.0)		3292	0.00(0.0 0.0)
3300	0.00(0.0 0.0)		3302	0.00(0.0 0.0)
3310	0.00(0.0 0.0)		3312	0.00(0.0 0.0)
3320	0.00(0.0 0.0)		3322	0.00(0.0 0.0)
3330	0.00(0.0 0.0)		3332	0.00(0.0 0.0)
3340	0.00(0.0 0.0)		3342	0.00(0.0 0.0)
3350	0.00(0.0 0.0)		3352	0.00(0.0 0.0)
3360	0.00(0.0 0.0)		3362	0.00(0.0 0.0)
3370	0.00(0.0 0.0)		3372	0.00(0.0 0.0)
3380	0.00(0.0 0.0)		3382	0.00(0.0 0.0)
3390	0.00(0.0 0.0)		3392	0.00(0.0 0.0)
3400	0.00(0.0 0.0)		3402	0.00(0.0 0.0)
3410	0.00(0.0 0.0)		3412	0.00(0.0 0.0)
3420	0.00(0.0 0.0)		3422	0.00(0.0 0.0)
3430	0.00(0.0 0.0)		3432	0.00(0.0 0.0)
3440	0.00(0.0 0.0)		3442	0.00(0.0 0.0)
3450	0.00(0.0 0.0)		3452	0.00(0.0 0.0)
3460	0.00(0.0 0.0)		3462	0.00(0.0 0.0)
3470	0.00(0.0 0.0)		3472	0.00(0.0 0.0)
3480	0.00(0.0 0.0)		3482	0.00(0.0 0.0)
3490	0.00(0.0 0.0)		3492	0.00(0.0 0.0)
3500	0.00(0.0 0.0)		3502	0.00(0.0 0.0)
3510	0.00(0.0 0.0)		3512	0.00(0.0 0.0)
3520	0.00(0.0 0.0)		3522	0.00(0.0 0.0)
3530	0.00(0.0 0.0)		3532	0.00(0.0 0.0)
3540	0.00(0.0 0.0)		3542	0.00(0.0 0.0)
3550	0.00(0.0 0.0)		3552	0.00(0.0 0.0)
3560	0.00(0.0 0.0)		3562	0.00(0.0 0.0)
3570	0.00(0.0 0.0)		3572	0.00(0.0 0.0)
3580	0.00(0.0 0.0)		3582	0.00(0.0 0.0)
3590	0.00(0.0 0.0)		3592	0.00(0.0 0.0)
3600	0.00(0.0 0.0)		3602	0.00(0.0 0.0)
3610	0.00(0.0 0.0)		3612	0.00(0.0 0.0)
3620	0.00(0.0 0.0)		3622	0.00(0.0 0.0)
3630	0.00(0.0 0.0)		3632	0.00(0.0 0.0)
3640	0.00(0.0 0.0)		3642	0.00(0.0 0.0)
3650	0.00(0.0 0.0)		3652	0.00(0.0 0.0)
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LAMBDA, F (WT, SIG) F = AVE FLUX FROM LAM-DEL/2 TO LAM+DEL/2

1440U	1.15E-09	(.5 0.0)	1442	1.41E-09	(.6 0.0)	1444	1.17E-09	(.6 0.0)	1446	1.28E-09	(.7 0.0)	1448	1.39E-09	(.7 0.0)
1450	1.31E-09	(.9 0.0)	1452	1.49E-09	(1.0 0.0)	1454	1.37E-09	(.8 0.0)	1456	9.73E-10	(.7 0.0)	1458	1.10E-09	(.7 0.0)
1460	1.24E-09	(.8 0.0)	1462	1.22E-09	(.9 0.0)	1464	1.24E-09	(.9 0.0)	1466	1.12E-09	(.9 0.0)	1468	1.21E-09	(.9 0.0)
1470	1.27E-09	(1.0 0.0)	1472	1.20E-09	(1.0 0.0)	1474	1.16E-09	(1.0 0.0)	1476	1.15E-09	(1.0 0.0)	1478	1.09E-09	(1.0 0.0)
1480	1.08E-09	(1.0 0.0)	1482	1.12E-09	(1.0 0.0)	1484	1.09E-09	(1.0 0.0)	1486	1.12E-09	(1.0 0.0)	1488	1.27E-09	(1.0 0.0)
1490	1.14E-09	(1.0 0.0)	1492	1.18E-09	(1.0 0.0)	1494	1.05E-09	(1.0 0.0)	1496	1.02E-09	(1.0 0.0)	1498	1.08E-09	(1.0 0.0)
1500	1.08E-09	(1.0 0.0)	1502	1.19E-09	(1.0 0.0)	1504	1.12E-09	(1.0 0.0)	1506	1.12E-09	(1.0 0.0)	1508	1.14E-09	(1.0 0.0)
1510	1.15E-09	(1.0 0.0)	1512	1.10E-09	(1.0 0.0)	1514	1.02E-09	(1.0 0.0)	1516	9.88E-10	(1.0 0.0)	1518	1.01E-09	(1.0 0.0)
1520	1.12E-09	(1.0 0.0)	1522	1.05E-09	(1.0 0.0)	1524	1.12E-09	(1.0 0.0)	1526	1.16E-09	(1.0 0.0)	1528	1.07E-09	(1.0 0.0)
1530	1.13E-09	(1.0 0.0)	1532	1.14E-09	(1.0 0.0)	1534	1.13E-09	(1.0 0.0)	1536	1.09E-09	(1.0 0.0)	1538	1.04E-09	(1.0 0.0)
1540	1.01E-09	(1.0 0.0)	1542	1.09E-09	(1.0 0.0)	1544	1.07E-09	(1.0 0.0)	1546	1.04E-09	(1.0 0.0)	1548	1.03E-09	(1.0 0.0)
1550	1.09E-09	(1.0 0.0)	1552	1.12E-09	(1.0 0.0)	1554	1.15E-09	(1.0 0.0)	1556	1.13E-09	(1.0 0.0)	1558	1.11E-09	(1.0 0.0)
1560	1.08E-09	(1.0 0.0)	1562	1.10E-09	(1.0 0.0)	1564	1.11E-09	(1.0 0.0)	1566	1.10E-09	(1.0 0.0)	1568	1.09E-09	(1.0 0.0)
1570	1.13E-09	(1.0 0.0)	1572	1.13E-09	(1.0 0.0)	1574	1.14E-09	(1.0 0.0)	1576	1.20E-09	(1.0 0.0)	1578	1.26E-09	(1.0 0.0)
1580	1.20E-09	(1.0 0.0)	1582	1.13E-09	(1.0 0.0)	1584	1.18E-09	(1.0 0.0)	1586	1.20E-09	(.9 0.0)	1588	1.19E-09	(.9 0.0)
1590	1.22E-09	(.9 0.0)	1592	1.28E-09	(.9 0.0)	1594	1.27E-09	(.9 0.0)	1596	1.27E-09	(.9 0.0)	1598	1.27E-09	(.9 0.0)
1600	1.25E-09	(.9 0.0)	1602	1.24E-09	(.9 0.0)	1604	1.26E-09	(.9 0.0)	1606	1.30E-09	(.9 0.0)	1608	1.30E-09	(.9 0.0)
1610	1.23E-09	(.9 0.0)	1612	1.19E-09	(.9 0.0)	1614	1.27E-09	(.8 0.0)	1616	1.36E-09	(.8 0.0)	1618	1.29E-09	(.8 0.0)
1620	1.23E-09	(.8 0.0)	1622	1.24E-09	(.8 0.0)	1624	1.23E-09	(.8 0.0)	1626	1.19E-09	(.8 0.0)	1628	1.23E-09	(.8 0.0)
1630	1.36E-09	(.8 0.0)	1632	1.35E-09	(.8 0.0)	1634	1.30E-09	(.8 0.0)	1636	1.29E-09	(.8 0.0)	1638	1.27E-09	(.8 0.0)
1640	1.31E-09	(.8 0.0)	1642	1.43E-09	(.7 0.0)	1644	1.38E-09	(.7 0.0)	1646	1.28E-09	(.8 0.0)	1648	1.29E-09	(.8 0.0)
1650	1.29E-09	(.8 0.0)	1652	1.26E-09	(.7 0.0)	1654	1.35E-09	(.7 0.0)	1656	1.44E-09	(.7 0.0)	1658	1.42E-09	(.7 0.0)
1660	1.33E-09	(.7 0.0)	1662	1.30E-09	(.7 0.0)	1664	1.25E-09	(.7 0.0)	1666	1.21E-09	(.7 0.0)	1668	1.24E-09	(.7 0.0)
1670	1.32E-09	(.7 0.0)	1672	1.36E-09	(.7 0.0)	1674	1.36E-09	(.7 0.0)	1676	1.36E-09	(.7 0.0)	1678	1.38E-09	(.7 0.0)
1680	1.42E-09	(.7 0.0)	1682	1.42E-09	(.7 0.0)	1684	1.41E-09	(.7 0.0)	1686	1.41E-09	(.6 0.0)	1688	1.45E-09	(.6 0.0)
1690	1.51E-09	(.6 0.0)	1692	1.56E-09	(.6 0.0)	1694	1.66E-09	(.6 0.0)	1696	1.71E-09	(.6 0.0)	1698	1.63E-09	(.6 0.0)
1700	1.55E-09	(.6 0.0)	1702	1.52E-09	(.6 0.0)	1704	1.54E-09	(.6 0.0)	1706	1.59E-09	(.6 0.0)	1708	1.62E-09	(.6 0.0)
1710	1.63E-09	(.6 0.0)	1712	1.60E-09	(.6 0.0)	1714	1.57E-09	(.6 0.0)	1716	1.58E-09	(.6 0.0)	1718	1.54E-09	(.6 0.0)
1720	1.42E-09	(.6 0.0)	1722	1.36E-09	(.6 0.0)	1724	1.39E-09	(.6 0.0)	1726	1.43E-09	(.6 0.0)	1728	1.39E-09	(.6 0.0)
1730	1.29E-09	(.6 0.0)	1732	1.21E-09	(.6 0.0)	1734	1.21E-09	(.6 0.0)	1736	1.27E-09	(.6 0.0)	1738	1.31E-09	(.6 0.0)
1740	1.33E-09	(.6 0.0)	1742	1.37E-09	(.5 0.0)	1744	1.44E-09	(.5 0.0)	1746	1.49E-09	(.5 0.0)	1748	1.49E-09	(.5 0.0)
1750	1.48E-09	(.5 0.0)	1752	1.52E-09	(.5 0.0)	1754	1.54E-09	(.5 0.0)	1756	1.47E-09	(.5 0.0)	1758	1.38E-09	(.5 0.0)
1760	1.36E-09	(.5 0.0)	1762	1.41E-09	(.5 0.0)	1764	1.49E-09	(.5 0.0)	1766	1.57E-09	(.5 0.0)	1768	1.59E-09	(.5 0.0)
1770E	1.54E-09	(.5 0.0)	1772E	1.45E-09	(.5 0.0)	1774E	1.39E-09	(.5 0.0)	1776E	1.40E-09	(.5 0.0)	1778E	1.43E-09	(.5 0.0)
1780E	1.47E-09	(.5 0.0)	1782E	1.53E-09	(.4 0.0)	1784E	1.55E-09	(.4 0.0)	1786E	1.52E-09	(.4 0.0)	1788E	1.48E-09	(.4 0.0)
1790E	1.45E-09	(.4 0.0)	1792E	1.45E-09	(.4 0.0)	1794E	1.51E-09	(.4 0.0)	1796E	1.57E-09	(.4 0.0)	1798E	1.57E-09	(.4 0.0)
1800E	1.52E-09	(.4 0.0)	1802E	1.50E-09	(.4 0.0)	1804E	1.51E-09	(.4 0.0)	1806E	1.52E-09	(.4 0.0)	1808E	1.50E-09	(.4 0.0)
1810E	1.47E-09	(.4 0.0)	1812E	1.45E-09	(.4 0.0)	1814E	1.42E-09	(.4 0.0)	1816E	1.40E-09	(.4 0.0)	1818E	1.40E-09	(.4 0.0)
1820E	1.39E-09	(.4 0.0)	1822E	1.39E-09	(.4 0.0)	1824E	1.39E-09	(.4 0.0)	1826E	1.42E-09	(.4 0.0)	0	0	(0.0 0.0)
1800E	1.53E-09	(.4 0.0)	1805E	1.51E-09	(.4 0.0)	1810E	1.48E-09	(.4 0.0)	1815E	1.42E-09	(.4 0.0)	1820E	1.39E-09	(.4 0.0)
1825E	1.41E-09	(.4 0.0)	1830E	1.48E-09	(.4 0.0)	1835E	1.45E-09	(.4 0.0)	1840E	1.38E-09	(.4 0.0)	1845E	1.31E-09	(.4 0.0)
1850E	1.27E-09	(.4 0.0)	1855E	1.29E-09	(.4 0.0)	1860E	1.28E-09	(.4 0.0)	1865E	1.25E-09	(.4 0.0)	1870E	1.24E-09	(.4 0.0)
1875E	1.13E-09	(.4 0.0)	1880E	1.19E-09	(.4 0.0)	1885E	1.23E-09	(.3 0.0)	1890E	1.30E-09	(.3 0.0)	1895E	1.24E-09	(.3 0.0)
1900E	1.12E-09	(.3 0.0)	1905E	1.16E-09	(.3 0.0)	1910E	1.11E-09	(.3 0.0)	1915E	1.07E-09	(.3 0.0)	1920E	1.12E-09	(.3 0.0)
1925E	1.11E-09	(.3 0.0)	1930E	1.12E-09	(.3 0.0)	1935E	1.10E-09	(.3 0.0)	1940E	1.13E-09	(.3 0.0)	1945E	1.15E-09	(.3 0.0)
1950E	1.04E-09	(.3 0.0)	1955E	9.62E-10	(.3 0.0)	1960E	9.21E-10	(.3 0.0)	1965E	9.11E-10	(.3 0.0)	1970E	9.29E-10	(.3 0.0)
1975E	9.13E-10	(.3 0.0)	1980E	8.80E-10	(.3 0.0)	1985E	8.31E-10	(.3 0.0)	1990E	8.02E-10	(.3 0.0)	1995E	8.09E-10	(.3 0.0)
2000E	8.20E-10	(.3 0.0)	2005E	8.38E-10	(.3 0.0)	2010E	8.10E-10	(.3 0.0)	2015E	7.79E-10	(.3 0.0)	2020E	7.83E-10	(.3 0.0)
2025E	8.01E-10	(.3 0.0)	2030E	8.27E-10	(.2 0.0)	2035E	7.98E-10	(.2 0.0)	2040E	7.27E-10	(.2 0.0)	2045E	7.06E-10	(.2 0.0)
2050E	7.41E-10	(.2 0.0)	2055E	7.75E-10	(.2 0.0)	2060E	7.72E-10	(.2 0.0)	2065E	7.49E-10	(.2 0.0)	2070E	7.24E-10	(.2 0.0)
2075E	6.82E-10	(.2 0.0)	2080E	6.49E-10	(.2 0.0)	2085E	6.71E-10	(.2 0.0)	2090E	7.11E-10	(.2 0.0)	2095E	7.02E-10	(.2 0.0)
2100E	6.43E-10	(.2 0.0)	2105E	5.99E-10	(.2 0.0)	2110E	6.11E-10	(.2 0.0)	2115E	6.36E-10	(.2 0.0)	2120E	6.25E-10	(.2 0.0)
2125E	5.95E-10	(.2 0.0)	2130E	5.60E-10	(.2 0.0)	2135E	5.25E-10	(.2 0.0)	2140E	5.12E-10	(.2 0.0)	2145E	5.33E-10	(.2 0.0)
135	0.00(0.0 0.0)		139	0.00(0.0 0.0)		148	1.25(1.0 0.0)		154	1.30(1.0 0.0)		161	1.15(.8 0.0)	
166	1.06(.7 0.0)		172	.98(.5 0.0)		181E	1.01(.4 0.0)		192E	1.30(.3 0.0)		204E	1.71(.2 0.0)	
219	0.00(0.0 0.0)		245	0.00(0.0 0.0)		280	0.00(0.0 0.0)		360	0.00(0.0 0.0)		0	0.00(0.0 0.0)	

X,Y(MM) 6.9 6.7 SL3-207 18 SCANS, T= 224 DEL PER WT 1.0, SCALE 1.00

R = 1.15



X,Y(MM) 5.1 -5.6 SL3-197 14 SCANS, T= 225: HR 1133 WT 1.0, SCALE 1.00

$R = (0.94)$



HD 23630	ETA TAU	HD 23630
LAMBDA, F (WT, SIG)	F = AVE FLUX FROM LAM-DEL/2 TO LAM+DEL/2	
1410, 1.79E-09(1.6 21.1)	1412U, 1.66E-09(1.6 29.5)	1414, 1.59E-09(1.6 25.4)
1420U, 1.47E-09(1.6 25.8)	1422, 1.83E-09(1.8 19.5)	1424, 1.98E-09(1.0 16.8)
1430, 2.06E-09(1.2 29.4)	1432, 1.89E-09(1.1 22.9)	1434, 1.73E-09(1.1 15.6)
1440, 1.84E-09(1.3 5.0)	1442, 1.93E-09(1.4 5.0)	1444, 2.07E-09(1.4 4.0)
1450, 2.01E-09(1.6 4.4)	1452, 2.10E-09(1.6 10.2)	1454, 2.18E-09(1.8 10.4)
1460, 2.36E-09(2.0 15.5)	1462, 2.22E-09(2.0 13.4)	1464, 2.18E-09(2.0 16.9)
1470, 1.93E-09(2.0 10.3)	1472, 2.05E-09(2.0 10.5)	1474, 1.81E-09(1.8 2.3)
1480, 1.85E-09(2.0 6.7)	1482, 1.70E-09(1.9 2.1)	1484, 1.66E-09(1.8 5.0)
1490, 1.56E-09(1.9 1.7)	1492, 1.72E-09(1.9 2.3)	1494, 1.74E-09(1.9 5.4)
1500, 1.56E-09(1.9 0.0)	1502, 1.66E-09(1.9 5.1)	1504, 1.72E-09(1.9 9.4)
1510, 1.53E-09(2.4 6.1)	1512, 1.69E-09(1.8 0.0)	1514, 1.74E-09(1.8 2.1)
1520, 1.52E-09(1.9 5.3)	1522, 1.62E-09(1.9 4.9)	1524, 1.59E-09(1.9 2.3)
1530, 1.67E-09(1.9 4.5)	1532, 1.59E-09(2.0 2.9)	1534, 1.69E-09(2.0 5.0)
1540, 1.47E-09(2.0 4.1)	1542, 1.45E-09(2.0 4.4)	1544, 1.49E-09(2.1 4.4)
1550, 1.52E-09(2.2 5.5)	1552, 1.50E-09(2.2 4.9)	1554, 1.50E-09(2.3 8.3)
1560, 1.60E-09(2.4 1.8)	1562, 1.49E-09(2.4 6.0)	1564, 1.47E-09(2.4 6.4)
1570, 1.57E-09(2.6 6.0)	1572, 1.55E-09(2.6 7.0)	1574, 1.49E-09(2.5 1.7)
1580, 1.44E-09(2.5 1.5)	1582, 1.47E-09(2.5 6.6)	1584, 1.56E-09(2.5 1.6)
1590, 1.53E-09(2.4 6.1)	1592, 1.44E-09(2.4 8.5)	1594, 1.48E-09(2.4 6.6)
1600, 1.48E-09(2.4 8.0)	1602, 1.52E-09(2.4 5.5)	1604, 1.56E-09(2.3 4.2)
1610, 1.41E-09(2.3 13.9)	1612, 1.45E-09(2.3 6.1)	1614, 1.43E-09(2.3 6.9)
1620, 1.32E-09(2.3 12.8)	1622, 1.38E-09(2.3 13.6)	1624, 1.46E-09(2.3 8.5)
1630, 1.44E-09(2.2 6.3)	1632, 1.39E-09(2.2 7.2)	1634, 1.38E-09(2.2 7.7)
1640, 1.49E-09(2.2 8.2)	1642, 1.46E-09(2.2 6.5)	1644, 1.43E-09(2.2 5.7)
1650, 1.44E-09(2.2 8.6)	1652, 1.44E-09(2.2 4.8)	1654, 1.45E-09(2.2 4.4)
1660, 1.45E-09(2.1 6.4)	1662, 1.49E-09(2.1 8.4)	1664, 1.51E-09(2.1 7.7)
1670, 1.39E-09(2.4 10.6)	1672, 1.41E-09(2.1 7.6)	1674, 1.38E-09(2.1 8.2)
1680, 1.46E-09(2.1 4.5)	1682, 1.44E-09(2.1 4.7)	1684, 1.42E-09(2.1 7.0)
1690, 1.48E-09(2.0 7.4)	1692, 1.59E-09(2.0 5.1)	1694, 1.62E-09(1.9 2.6)
1700, 1.49E-09(1.9 6.6)	1702, 1.51E-09(1.9 8.0)	1704, 1.53E-09(1.9 9.4)
1710, 1.51E-09(1.9 7.0)	1712, 1.54E-09(1.9 7.3)	1714, 1.57E-09(1.9 5.7)
1720, 1.52E-09(1.8 6.9)	1722, 1.47E-09(1.8 9.2)	1724, 1.44E-09(1.8 10.2)
1730, 1.51E-09(1.8 11.0)	1732, 1.50E-09(1.8 10.3)	1734, 1.50E-09(1.8 10.8)
1740, 1.52E-09(1.8 6.4)	1742, 1.55E-09(1.7 3.4)	1744, 1.54E-09(1.7 5.6)
1750, 1.54E-09(1.7 6.0)	1752, 1.60E-09(1.6 3.7)	1754, 1.62E-09(1.6 4.3)
1760, 1.53E-09(1.6 3.6)	1762, 1.50E-09(1.6 5.5)	1764, 1.47E-09(1.6 7.0)
1770, 1.46E-09(1.6 5.1)	1772, 1.41E-09(1.6 5.8)	1774, 1.39E-09(1.6 5.4)
1780, 1.48E-09(1.6 5.2)	1782, 1.49E-09(1.6 6.5)	1784, 1.54E-09(1.6 7.1)
1790, 1.59E-09(1.7 5.9)	1792, 1.60E-09(1.7 5.6)	1794, 1.65E-09(1.7 5.9)
1800, 1.74E-09(1.8 5.2)	1802, 1.75E-09(1.9 4.1)	1804, 1.73E-09(1.9 5.0)
1810, 1.75E-09(1.8 6.2)	1812, 1.78E-09(2.2 8.1)	1814, 1.78E-09(2.2 8.6)
1820, 1.77E-09(2.3 6.2)	1822, 1.76E-09(2.4 3.7)	1824, 1.75E-09(2.4 1.9)
1800, 1.79E-09(2.6 6.1)	1805, 1.75E-09(2.8 5.1)	1810, 1.80E-09(2.8 7.4)
1825, 1.75E-09(2.7 2.4)	1830, 1.75E-09(2.7 7.4)	1835, 1.74E-09(2.7 5.0)
1850, 1.71E-09(2.6 4.7)	1855, 1.67E-09(2.6 6.5)	1860, 1.73E-09(2.6 9.3)
1875, 1.65E-09(2.5 7.8)	1880, 1.70E-09(2.5 8.9)	1885E, 1.76E-09(2.5 13.2)
1900E, 1.64E-09(2.4 6.1)	1905E, 1.64E-09(2.4 6.5)	1910E, 1.64E-09(2.4 6.2)
1925, 1.57E-09(2.4 8.8)	1930E, 1.54E-09(2.3 3.7)	1935, 1.58E-09(2.3 12.9)
1950, 1.63E-09(2.2 11.3)	1955, 1.62E-09(2.2 9.0)	1960, 1.57E-09(2.2 6.6)
1975, 1.62E-09(2.1 18.6)	1980, 1.63E-09(2.0 6.8)	1985, 1.59E-09(2.0 5.4)
2000, 1.51E-09(2.0 6.6)	2005, 1.49E-09(1.9 5.8)	2010E, 1.48E-09(1.9 6.4)
2025E, 1.47E-09(1.8 3.7)	2030E, 1.48E-09(1.8 4.2)	2035E, 1.47E-09(1.7 7.1)
2050E, 1.51E-09(1.6 4.8)	2055E, 1.54E-09(1.5 6.4)	2060E, 1.51E-09(1.5 5.8)
2075E, 1.37E-09(1.5 11.6)	2080E, 1.38E-09(1.4 14.6)	2085E, 1.42E-09(1.4 15.9)
2100E, 1.42E-09(1.3 13.4)	2105E, 1.45E-09(1.3 11.2)	2110E, 1.48E-09(1.2 11.4)
2125E, 1.38E-09(1.2 15.9)	2130E, 1.39E-09(1.1 15.9)	2135E, 1.42E-09(1.1 14.1)
2150E, 1.44E-09(1.1 15.2)	2155E, 1.39E-09(1.0 12.2)	2160E, 1.36E-09(1.0 10.9)
2175E, 1.45E-09(1.0 7.2)	2180E, 1.43E-09(1.0 9.4)	2185E, 1.40E-09(1.0 9.4)
2200E, 1.34E-09(1.0 6.3)	2205E, 1.33E-09(1.0 5.3)	2210E, 1.29E-09(1.0 5.6)
2225E, 1.28E-09(1.0 12.2)	2230E, 1.30E-09(1.0 12.6)	2235E, 1.32E-09(1.0 13.1)
2250E, 1.21E-09(1.0 10.3)	2255E, 1.16E-09(1.0 8.5)	2260E, 1.15E-09(1.0 9.4)
2275E, 1.15E-09(1.0 6.2)	2280E, 1.17E-09(1.0 6.1)	2285E, 1.18E-09(1.0 6.6)
2300E, 1.14E-09(1.0 8.4)	2305E, 1.12E-09(1.0 8.4)	2310E, 1.09E-09(1.0 8.1)
2300E, 1.14E-09(1.0 6.0)	2310E, 1.09E-09(1.0 8.7)	2320E, 1.04E-09(1.0 7.6)
2350E, 1.09E-09(1.0 12.1)	2360E, 1.03E-09(1.0 7.8)	2370E, 1.05E-09(1.0 7.3)
2400E, 1.07E-09(1.0 3.8)	2410E, 1.12E-09(1.0 7.6)	2420E, 1.13E-09(1.0 6.3)
2450E, 1.05E-09(1.0 13.4)	2460E, 1.05E-09(1.0 12.6)	2470E, 1.03E-09(1.0 10.5)
2500E, 9.80E-10(1.0 6.1)	2510E, 9.42E-10(1.0 12.9)	2520E, 9.23E-10(1.0 17.2)
2550E, 8.10E-10(1.0 6.2)	2560E, 8.24E-10(1.0 6.2)	2570E, 8.46E-10(1.0 6.1)
2600E, 8.82E-10(1.0 15.7)	2610E, 8.61E-10(1.0 15.8)	2620E, 8.42E-10(1.0 14.3)
2650E, 9.08E-10(1.0 11.1)	2660E, 9.37E-10(1.0 5.3)	2670E, 9.20E-10(1.0 5.4)
2700E, 9.18E-10(1.0 11.3)	2710E, 9.10E-10(1.0 4.9)	2720E, 8.96E-10(1.0 4.7)
2750E, 8.73E-10(1.0 8.6)	2760E, 8.42E-10(1.0 13.0)	2770E, 8.32E-10(1.0 20.0)
2800E, 8.25E-10(1.0 16.9)	2810E, 8.19E-10(1.0 15.4)	2820E, 8.27E-10(1.0 14.4)
2850E, 7.79E-10(1.0 19.8)	2860E, 7.41E-10(1.0 24.2)	2870E, 7.14E-10(1.0 23.5)
2900E, 6.96E-10(1.0 15.1)	2910E, 7.29E-10(1.0 13.6)	2920E, 7.64E-10(1.0 13.3)
2950E, 8.06E-10(1.0 11.8)	2960E, 7.78E-10(1.0 13.3)	2970E, 7.46E-10(1.0 13.2)
3000E, 7.11E-10(1.0 27.7)	3010E, 7.23E-10(1.0 24.0)	3020E, 7.21E-10(1.0 19.8)
3000E, 7.60E-10(1.0 22.8)	3020E, 7.53E-10(1.0 21.6)	3040E, 7.46E-10(1.0 2.9)
3100E, 7.64E-10(1.0 21.6)	3120E, 7.93E-10(1.0 21.6)	3140E, 8.30E-10(1.0 16.5)
135, 0.00(0.0 0.0)	139, 0.00(0.0 0.0)	148, 0.75(1.9 5.2)
166, 1.00(2.1 6.7)	172, 0.94(1.8 5.8)	181E, 0.85(2.0 6.2)
219E, 1.10(1.0 10.5)	245E, 1.41(1.6 5.5)	280E, 1.63(1.4 13.8)
X,Y(MM) -2.7 2.5 SL3-132 22 SCANS, T= 231	ETA TAU	WT 1.0, SCALE 1.04
X,Y(MM) -2.7 2.5 SL3-133 20 SCANS, T= 80	ETA TAU	WT 1.0, SCALE .98
X,Y(MM) -2.7 2.5 SL3-134 20 SCANS, T= 30	ETA TAU	WT 1.0, SCALE 1.18
X,Y(MM) -16.9 -10.9 SL3-206 18 SCANS, T= 29	ETA TAU	WT 1.0, SCALE .95
X,Y(MM) -16.9 -10.9 SL3-205 18 SCANS, T= 77	ETA TAU	WT 1.0, SCALE .74
154, 0.91(2.1 4.5)	161, 0.99(2.3 7.1)	192, 0.87(2.3 8.7)
360, 0.00(0.0 0.0)	204E, 0.97(1.7 7.1)	0, 0.00(0.0 0.0)
R = 0.79:		



[illegible]

X, Y (MM)	-11.6 -11.4	SL3-179	12 SCANS, T= 226	42 PER	WT .9, SCALE .90
X, Y (MM)	-10.7 -11.6	SL3-180	15 SCANS, T= 77	42 PER	WT .9, SCALE 1.10

 $R = (0.79)$





[illegible]

R = 1.00



AM20.0 F (WT. SIG)			F = AVE FLUX FROM LAM-DEL/2 TO LAM-DEL/2			AM20.0 F (WT. SIG)			F = AVE FLUX FROM LAM-DEL/2 TO LAM-DEL/2					
1620.0	0.0	(0.0 0.0)	1622U	4.92E-11	(.3 .0)	1624U	5.16E-11	(.4 .0)	1626U	5.93E-11	(.4 .0)	1628U	6.07E-11	(.4 .0)
1630.0	5.53E-11	(.5 .0)	1632U	5.51E-11	(.5 .0)	1634U	6.32E-11	(.5 .0)	1636U	6.33E-11	(.6 .0)	1638U	5.98E-11	(.6 .0)
1640.0	6.53E-11	(.7 .0)	1642U	6.92E-11	(.6 .0)	1644U	5.42E-11	(.6 .0)	1646U	4.82E-11	(.5 .0)	1648U	5.91E-11	(.5 .0)
1650.0	5.94E-11	(.5 .0)	1652U	4.93E-11	(.5 .0)	1654U	4.44E-11	(.4 .0)	1656U	4.54E-11	(.4 .0)	1658U	3.92E-11	(.4 .0)
1660U	3.58E-11	(.3 .0)	1662U	3.99E-11	(.4 .0)	1664U	4.31E-11	(.4 .0)	1666U	4.38E-11	(.5 .0)	1668U	4.95E-11	(.5 .0)
1670.0	4.67E-11	(.5 .0)	1672U	4.57E-11	(.5 .0)	1674U	4.55E-11	(.5 .0)	1676U	4.74E-11	(.5 .0)	1678U	4.42E-11	(.6 .0)
1680.0	6.65E-11	(.9 .0)	1682U	6.59E-11	(.9 .0)	1684U	6.37E-11	(.9 .0)	1686U	5.56E-11	(.8 .0)	1688U	4.94E-11	(.7 .0)
1690.0	4.74E-11	(.7 .0)	1692U	4.82E-11	(.7 .0)	1694U	4.75E-11	(.6 .0)	1696U	4.47E-11	(.6 .0)	1698U	4.44E-11	(.6 .0)
1700.0	4.73E-11	(.7 .0)	1702U	4.85E-11	(.8 .0)	1704U	4.96E-11	(.8 .0)	1706U	5.37E-11	(.9 .0)	1708U	5.55E-11	(.9 .0)
1710.0	5.34E-11	(.9 .0)	1712U	5.22E-11	(.9 .0)	1714U	5.33E-11	(.9 .0)	1716U	5.21E-11	(.9 .0)	1718U	4.88E-11	(.9 .0)
1720.0	4.58E-11	(.9 .0)	1722U	4.43E-11	(.8 .0)	1724U	4.47E-11	(.9 .0)	1726U	4.28E-11	(.9 .0)	1728U	4.19E-11	(.9 .0)
1730.0	4.59E-11	(.9 .0)	1732U	4.55E-11	(.9 .0)	1734U	5.35E-11	(.9 .0)	1736U	5.32E-11	(.9 .0)	1738U	5.27E-11	(.9 .0)
1740.0	5.24E-11	(.9 .0)	1742U	5.24E-11	(.9 .0)	1744U	4.55E-11	(.9 .0)	1746U	4.40E-11	(.9 .0)	1748U	4.74E-11	(.9 .0)
1750.0	4.69E-11	(.9 .0)	1752U	4.67E-11	(.9 .0)	1754U	4.84E-11	(.9 .0)	1756U	5.01E-11	(.9 .0)	1758U	5.10E-11	(.9 .0)
1760.0	5.36E-11	(.9 .0)	1762U	5.57E-11	(.9 .0)	1764U	5.54E-11	(.9 .0)	1766U	5.28E-11	(.9 .0)	1768U	4.99E-11	(.9 .0)
1770.0	4.82E-11	(.9 .0)	1772U	4.80E-11	(.9 .0)	1774U	4.73E-11	(.9 .0)	1776U	4.58E-11	(.9 .0)	1778U	4.57E-11	(.9 .0)
1780.0	4.75E-11	(.9 .0)	1782U	5.00E-11	(.9 .0)	1784U	5.15E-11	(.9 .0)	1786U	4.98E-11	(.9 .0)	1788U	4.66E-11	(.9 .0)
1790.0	4.53E-11	(.9 .0)	1792U	4.58E-11	(.9 .0)	1794U	4.60E-11	(.9 .0)	1796U	4.66E-11	(.9 .0)	1798U	4.82E-11	(.9 .0)
1800.0	5.00E-11	(.9 .0)	1802U	5.01E-11	(.9 .0)	1804U	4.90E-11	(.9 .0)	1806U	4.75E-11	(.9 .0)	1808U	4.59E-11	(.9 .0)
1810.0	4.47E-11	(.9 .0)	1812U	4.41E-11	(.9 .0)	1814U	4.55E-11	(.9 .0)	1816U	4.43E-11	(.9 .0)	1818U	4.60E-11	(.9 .0)
1820.0	4.72E-11	(.9 .0)	1822U	4.72E-11	(.9 .0)	1824U	4.55E-11	(.9 .0)	1826U	4.43E-11	(.9 .0)	1828U	0.0	(0.0 0.0)
1800.0	4.96E-11	(.9 .0)	1805U	4.82E-11	(.9 .0)	1810.0	4.48E-11	(.9 .0)	1815.0	4.46E-11	(.9 .0)	1820.0	4.69E-11	(.9 .0)
1825.0	4.50E-11	(.9 .0)	1830.0	4.38E-11	(.9 .0)	1835.0	4.26E-11	(.9 .0)	1840.0	4.58E-11	(.9 .0)	1845.0	4.81E-11	(.9 .0)
1850.0	4.52E-11	(.9 .												

$R = 0.98$



LAMBDA, F (WT, SIG)	F = AVE FLUX FROM LAM-DEL/2 TO LAM+DEL/2				
1310, 1.80E-09(.9 29.6)	1312, 2.20E-09(.9 17.4)	1314, 1.84E-09(.9 8.0)	1316, 2.17E-09(.9 20.7)	1318, 2.39E-09(.9 10.5)	
1320, 2.24E-09(.9 14.7)	1322, 2.08E-09(.9 11.8)	1324, 2.12E-09(.9 14.8)	1326, 2.00E-09(.8 5.8)	1328, 1.66E-09(.8 6.3)	
1330, 1.84E-09(.8 3.3)	1332, 1.27E-09(.8 4.2)	1334, 1.43E-09(.8 9.5)	1336, 1.56E-09(.9 21.4)	1338, 1.55E-09(1.0 16.9)	
1340, 1.69E-09(1.0 25.4)	1342, 1.52E-09(1.0 11.3)	1344, 1.62E-09(1.0 15.5)	1346, 1.65E-09(1.0 21.4)	1348, 1.77E-09(1.1 19.6)	
1350, 1.74E-09(1.1 31.4)	1352, 1.71E-09(1.2 28.0)	1354, 1.91E-09(1.2 7.2)	1356, 1.89E-09(1.1 21.5)	1358, 1.63E-09(1.1 19.1)	
1360, 1.71E-09(1.1 17.0)	1362, 1.64E-09(1.1 11.9)	1364, 1.54E-09(1.1 21.3)	1366, 1.64E-09(1.1 11.3)	1368, 1.86E-09(1.1 12.2)	
1370, 1.57E-09(1.1 3.9)	1372, 1.71E-09(1.0 6.2)	1374, 1.69E-09(1.1 8.8)	1376, 1.63E-09(1.1 17.7)	1378, 1.70E-09(1.1 12.2)	
1380, 1.67E-09(1.1 8.5)	1382, 1.41E-09(1.0 11.9)	1384, 1.08E-09(.9 4.9)	1386, 1.05E-09(.8 8.8)	1388, 9.21E-10(.9 4.5)	
1390, 1.12E-09(.9 15.6)	1392, 1.26E-09(1.0 7.4)	1394, 1.51E-09(1.0 7.4)	1396, 1.68E-09(1.1 1.0)	1398, 1.86E-09(1.2 6.5)	
1400, 2.19E-09(1.3 6.8)	1402, 2.28E-09(1.5 4.1)	1404, 2.67E-09(1.5 7.5)	1406, 2.55E-09(1.5 4.5)	1408, 2.35E-09(1.5 4.7)	
1410, 2.34E-09(1.5 4.0)	1412, 2.20E-09(1.5 9.8)	1414, 2.12E-09(1.5 1.1)	1416, 1.99E-09(1.5 1.6)	1418, 1.96E-09(1.5 6.5)	
1420, 2.20E-09(1.5 7.9)	1422, 2.12E-09(1.5 15.6)	1424, 2.23E-09(1.5 10.5)	1426, 2.13E-09(1.4 4.2)	1428, 1.99E-09(1.4 2.3)	
1430, 1.94E-09(1.4 12.6)	1432, 2.24E-09(1.4 5.7)	1434, 2.38E-09(1.4 3.3)	1436, 2.34E-09(1.4 1.0)	1438, 2.33E-09(1.4 3.9)	
1440, 2.19E-09(1.4 1.6)	1442, 2.26E-09(1.4 4.6)	1444, 2.35E-09(1.4 2.6)	1446, 2.32E-09(1.4 2.3)	1448, 2.09E-09(1.4 4.6)	
1450, 2.26E-09(1.4 10.7)	1452, 2.09E-09(1.3 12.2)	1454, 2.03E-09(1.3 10.6)	1456, 2.02E-09(1.4 2.2)	1458, 2.09E-09(1.4 1.7)	
1460, 2.12E-09(1.3 1.5)	1462, 2.06E-09(1.3 1.5)	1464, 2.18E-09(1.3 6.6)	1466, 2.41E-09(1.3 12.3)	1468, 2.33E-09(1.3 6.3)	
1470, 2.31E-09(1.3 6.0)	1472, 2.41E-09(1.3 0.0)	1474, 2.33E-09(1.3 1.0)	1476, 2.54E-09(1.2 5.1)	1478, 2.57E-09(1.2 4.8)	
1480, 2.38E-09(1.2 4.9)	1482, 2.17E-09(1.2 7.5)	1484, 2.27E-09(1.2 6.5)	1486, 2.30E-09(1.2 5.8)	1488, 2.23E-09(1.2 6.2)	
1490, 1.98E-09(1.2 2.1)	1492, 2.10E-09(1.2 5.1)	1494, 2.21E-09(1.2 2.5)	1496, 2.12E-09(1.2 3.0)	1498, 2.03E-09(1.2 1.8)	
1500, 1.89E-09(1.2 1.0)	1502, 1.95E-09(1.2 6.3)	1504, 2.17E-09(1.1 3.3)	1506, 2.33E-09(1.1 3.5)	1508, 2.56E-09(1.0 4.0)	
1510, 2.51E-09(1.0 2.5)	1512, 2.17E-09(1.0 1.5)	1514, 2.24E-09(1.0 3.3)	1516, 2.36E-09(1.0 1.6)	1518, 2.43E-09(1.0 1.1)	
1520, 2.20E-09(1.0 3.4)	1522, 2.01E-09(1.0 1.0)	1524, 1.98E-09(1.1 2.4)	1526, 1.84E-09(1.1 2.8)	1528, 1.71E-09(1.1 3.6)	
1530, 1.40E-09(1.2 8.9)	1532, 1.09E-09(1.3 17.7)	1534, 7.20E-10(1.3 34.5)	1536, 4.76E-10(1.4 36.8)	1538, 4.41E-10(1.3 32.9)	
1540, 5.11E-10(1.4 23.4)	1542, 6.53E-10(1.4 8.9)	1544, 9.71E-10(1.3 10.1)	1546, 1.58E-09(1.1 17.8)	1548, 2.26E-09(1.0 21.5)	
1550E 3.02E-09(.8 23.9)	1552E 3.51E-09(.7 19.6)	1554E 3.71E-09(.7 14.6)	1556E 3.34E-09(.7 14.3)	1558E 2.87E-09(.7 9.4)	
1560E 2.60E-09(.8 5.4)	1562E 2.44E-09(.8 7.9)	1564E 2.12E-09(.8 10.0)	1566E 2.06E-09(.8 8.5)	1568E 2.27E-09(.8 7.1)	
1570E 2.32E-09(.8 3.7)	1572E 2.25E-09(.8 6.0)	1574E 2.15E-09(.7 1.9)	1576E 2.20E-09(.7 7.0)	1578E 2.21E-09(.7 5.2)	
1580E 2.39E-09(.7 2.5)	1582E 2.56E-09(.7 7.7)	1584E 2.48E-09(.7 15.7)	1586E 2.37E-09(.7 12.8)	1588E 2.29E-09(.7 8.7)	
1590E 2.35E-09(.7 9.5)	1592E 2.42E-09(.7 9.5)	1594E 2.51E-09(.6 7.3)	1596E 2.43E-09(.6 3.8)	1598E 2.27E-09(.6 6.0)	
1600E 2.26E-09(.6 8.0)	1602E 2.23E-09(.6 3.5)	1604E 2.06E-09(.6 2.1)	1606E 2.11E-09(.7 2.9)	1608E 2.08E-09(.7 2.2)	
1610E 1.97E-09(.7 0.0)	1612E 1.89E-09(.7 2.6)	1614E 1.81E-09(.7 1.7)	1616E 1.81E-09(.7 2.5)	1618E 1.88E-09(.7 7.0)	
1620E 2.04E-09(.6 3.4)	1622E 2.03E-09(.7 7.8)	1624E 1.81E-09(.7 11.7)	1626E 1.82E-09(.6 9.0)	1628E 2.02E-09(.6 5.5)	
1630E 2.08E-09(.6 5.9)	1632E 2.15E-09(.6 12.2)	1634E 2.34E-09(.6 14.5)	1636E 2.45E-09(.5 15.2)	1638E 2.47E-09(.5 16.9)	
1640E 2.53E-09(.5 15.7)	1642E 2.59E-09(.5 12.4)	1644E 2.56E-09(.5 7.7)	1646E 2.60E-09(.5 6.1)	1648E 2.66E-09(.5 6.3)	
1650E 2.61E-09(.5 3.8)	1652E 2.59E-09(.5 1.1)	1654E 2.58E-09(.4 6.4)	1656E 2.65E-09(.4 5.2)	1658E 2.85E-09(.4 2.1)	
1660E 2.97E-09(.4 3.4)	1662E 3.14E-09(.4 4.4)	1664E 3.29E-09(.4 1.6)	1666E 3.04E-09(.4 4.5)	1668E 2.83E-09(.4 12.5)	
1670E 2.96E-09(.4 10.3)	1672E 3.23E-09(.3 1.7)	1674E 3.53E-09(.3 4.5)	1676E 3.73E-09(.3 2.2)	1678E 3.78E-09(.3 4.7)	
1680E 3.97E-09(.3 2.8)	1682E 4.20E-09(.3 6.9)	1684E 4.25E-09(.3 11.6)	1686E 4.19E-09(.3 12.6)	1688E 3.78E-09(.3 12.9)	
1690E 3.23E-09(.3 11.5)	1692E 3.04E-09(.3 8.2)	1694E 3.18E-09(.3 4.5)	1696E 3.42E-09(.3 5.1)	1698E 3.46E-09(.3 2.6)	
1700E 3.25E-09(.3 10.5)	1702E 3.11E-09(.3 2.3)	1704E 3.08E-09(.3 1.9)	1706E 2.98E-09(.3 5.1)	1708E 2.80E-09(.3 8.1)	
1710E 2.71E-09(.3 10.6)	1712E 2.80E-09(.3 7.8)	1714E 2.91E-09(.3 1.2)	1716E 3.06E-09(.3 3.7)	1718E 3.43E-09(.2 10.1)	
1720E 3.91E-09(.2 13.7)	1722E 4.21E-09(.2 9.6)	1724E 4.43E-09(.2 1.5)	1726E 4.62E-09(.2 5.7)	1728E 4.83E-09(.2 3.3)	
1730E 5.10E-09(.2 8.8)	1732E 5.10E-09(.2 9.3)	1734E 4.73E-09(.2 9.8)	1736E 4.48E-09(.2 9.6)	1738E 4.63E-09(.2 5.9)	
1740E 4.91E-09(.1 0.0)	1742E 4.92E-09(.1 6.9)	1744E 4.66E-09(.1 8.7)	1746E 4.35E-09(.2 9.9)	1748E 4.14E-09(.2 11.3)	
1750E 4.23E-09(.1 11.1)	1752E 4.56E-09(.1 5.9)	1754E 4.72E-09(.1 1.2)	1756E 4.57E-09(.1 5.0)	1758E 4.42E-09(.1 6.7)	
1760E 4.48E-09(.1 6.0)	1762E 4.81E-09(.1 3.8)	1764E 5.29E-09(.1 1.0)	1766E 5.52E-09(.1 5.1)	1768E 5.34E-09(.1 1.3)	
1770E 5.27E-09(.1 2.0)	1772E 5.53E-09(.1 3.0)	1774E 5.75E-09(.1 4.0)	1776E 5.52E-09(.1 2.7)	1778E 5.07E-09(.1 3.3)	
1780E 4.90E-09(.1 9.1)	1782E 5.15E-09(.1 2.4)	1784E 5.58E-09(.1 6.3)	1786E 5.73E-09(.1 7.5)	1788E 5.52E-09(.1 6.0)	
1790E 5.36E-09(.1 5.1)	1792E 5.35E-09(.1 6.3)	1794E 5.17E-09(.1 5.2)	1796E 4.93E-09(.1 9.1)	1798E 4.99E-09(.1 2.1)	
135, .81(1.1 11.4)	139, .85(1.1 1.3)	148, .50(1.2 4.7)	154, .75(1.1 7.2)	161E, .58(.6 5.6)	
166E, .16(.4 5.3)	172E, .10(.2 1.1)	181, 0.00(0.0 0.0)	192, 0.00(0.0 0.0)	204, 0.00(0.0 0.0)	
219, 0.00(0.0 0.0)	245, 0.00(0.0 0.0)	280, 0.00(0.0 0.0)	360, 0.00(0.0 0.0)	.0, 0.00(0.0 0.0)	

X,Y(MM) -8.7 1.8 SL3-225 7 SCANS, T= 719 XI PER WT .7, SCALE .82  
X,Y(MM) -7.8 2.9 SL3-188 13 SCANS, T= 230 XI PER WT 1.0, SCALE 1.09

R = 0.55+-

HD 25940

48 PER

HD 25940

LAMBDA	F	(WT, SIG)	F - AVE FLUX	FROM LAM-DEL/2	TO LAM+DEL/2
1430, 0	(0.0 0.0)	1432, 0	(0.0 0.0)	1434, 0	(0.0 0.0)
1440, 1.76E-09	(.4 0.0)	1442U 1.64E-09	(.4 0.0)	1444, 1.88E-09	(.4 0.0)
1450, 1.84E-09	(.5 0.0)	1452, 1.98E-09	(.6 0.0)	1454, 2.03E-09	(.6 0.0)
1460, 1.49E-09	(.4 0.0)	1462U 1.28E-09	(.4 0.0)	1464U 1.12E-09	(.4 0.0)
1470, 1.27E-09	(.3 0.0)	1472U 1.00E-09	(.4 0.0)	1474U 1.06E-09	(.4 0.0)
1480, 1.02E-09	(.4 0.0)	1482, 1.34E-09	(.4 0.0)	1484, 1.07E-09	(.5 0.0)
1490, 1.16E-09	(.6 0.0)	1492, 1.38E-09	(.7 0.0)	1494, 1.24E-09	(.7 0.0)
1500, 1.20E-09	(.7 0.0)	1502, 1.02E-09	(.6 0.0)	1504U 8.10E-10	(.6 0.0)
1510, 9.93E-10	(.7 0.0)	1512, 1.20E-09	(.9 0.0)	1514, 1.10E-09	(.8 0.0)
1520, 1.16E-09	(.9 0.0)	1522, 1.31E-09	(.9 0.0)	1524, 1.41E-09	(.9 0.0)
1530, 1.16E-09	(.9 0.0)	1532, 1.24E-09	(.9 0.0)	1534, 1.15E-09	(.9 0.0)
1540, 1.11E-09	(.9 0.0)	1542, 8.98E-10	(.9 0.0)	1544, 9.24E-10	(.9 0.0)
1550, 1.06E-09	(.9 0.0)	1552, 1.13E-09	(.9 0.0)	1554, 9.12E-10	(.9 0.0)
1560, 1.14E-09	(.9 0.0)	1562, 1.16E-09	(.9 0.0)	1564, 1.03E-09	(.9 0.0)
1570, 9.39E-10	(.9 0.0)	1572, 8.52E-10	(.9 0.0)	1574, 7.49E-10	(.9 0.0)
1580, 8.18E-10	(.9 0.0)	1582, 8.23E-10	(.9 0.0)	1584, 8.97E-10	(.9 0.0)
1590, 7.58E-10	(.9 0.0)	1592, 7.93E-10	(.9 0.0)	1594, 8.09E-10	(.9 0.0)
1600, 8.62E-10	(.9 0.0)	1602, 9.00E-10	(.9 0.0)	1604, 9.34E-10	(.9 0.0)
1610, 8.52E-10	(.9 0.0)	1612, 8.22E-10	(.9 0.0)	1614, 8.10E-10	(.9 0.0)
1620, 7.10E-10	(.9 0.0)	1622, 8.06E-10	(.9 0.0)	1624, 9.10E-10	(.9 0.0)
1630, 8.45E-10	(.9 0.0)	1632, 7.70E-10	(.9 0.0)	1634, 8.41E-10	(.9 0.0)
1640, 8.63E-10	(.9 0.0)	1642, 1.01E-09	(.9 0.0)	1644, 9.99E-10	(.9 0.0)
1650, 9.04E-10	(.9 0.0)	1652, 9.29E-10	(.9 0.0)	1654, 9.08E-10	(.9 0.0)
1660, 7.84E-10	(.9 0.0)	1662, 7.67E-10	(.9 0.0)	1664, 8.29E-10	(.9 0.0)
1670, 8.49E-10	(.9 0.0)	1672, 8.28E-10	(.9 0.0)	1674, 8.33E-10	(.9 0.0)
1680, 8.26E-10	(.9 0.0)	1682, 8.16E-10	(.9 0.0)	1684, 7.86E-10	(.9 0.0)
1690, 7.13E-10	(.9 0.0)	1692, 7.37E-10	(.9 0.0)	1694, 7.39E-10	(.9 0.0)
1700, 7.18E-10	(.9 0.0)	1702, 6.92E-10	(.9 0.0)	1704, 7.30E-10	(.9 0.0)
1710, 8.53E-10	(.9 0.0)	1712, 8.22E-10	(.9 0.0)	1714, 8.09E-10	(.9 0.0)
1720, 7.84E-10	(.9 0.0)	1722, 7.44E-10	(.9 0.0)	1724, 7.13E-10	(.9 0.0)
1730, 7.29E-10	(.9 0.0)	1732, 7.26E-10	(.9 0.0)	1734, 7.37E-10	(.9 0.0)
1740, 7.40E-10	(.9 0.0)	1742, 7.37E-10	(.9 0.0)	1744, 7.61E-10	(.9 0.0)
1750, 7.48E-10	(.9 0.0)	1752, 7.75E-10	(.9 0.0)	1754, 8.09E-10	(.9 0.0)
1760, 7.58E-10	(.9 0.0)	1762, 7.27E-10	(.9 0.0)	1764, 7.25E-10	(.9 0.0)
1770, 6.73E-10	(.9 0.0)	1772, 6.56E-10	(.9 0.0)	1774, 6.67E-10	(.9 0.0)
1780, 7.00E-10	(.9 0.0)	1782, 7.02E-10	(.9 0.0)	1784, 6.84E-10	(.9 0.0)
1790, 6.72E-10	(.8 0.0)	1792, 6.64E-10	(.8 0.0)	1794, 6.53E-10	(.8 0.0)
1800, 6.27E-10	(.8 0.0)	1802, 6.27E-10	(.8 0.0)	1804, 6.24E-10	(.8 0.0)
1810, 5.40E-10	(.9 0.0)	1812, 5.05E-10	(.9 0.0)	1814, 5.04E-10	(.9 0.0)
1820, 5.78E-10	(.8 0.0)	1822, 5.83E-10	(.8 0.0)	1824, 5.76E-10	(.8 0.0)
1800, 6.33E-10	(.8 0.0)	1805, 6.20E-10	(.8 0.0)	1810, 5.40E-10	(.9 0.0)
1825, 5.75E-10	(.8 0.0)	1830, 5.71E-10	(.8 0.0)	1835, 5.73E-10	(.8 0.0)
1850, 5.50E-10	(.8 0.0)	1855, 5.33E-10	(.8 0.0)	1860, 4.89E-10	(.8 0.0)
1875, 4.91E-10	(.8 0.0)	1880, 4.88E-10	(.8 0.0)	1885, 4.67E-10	(.8 0.0)
1900, 4.19E-10	(.8 0.0)	1905, 4.20E-10	(.8 0.0)	1910, 4.44E-10	(.8 0.0)
1925, 4.46E-10	(.8 0.0)	1930, 4.50E-10	(.7 0.0)	1935, 4.05E-10	(.7 0.0)
1950, 4.25E-10	(.7 0.0)	1955, 4.19E-10	(.7 0.0)	1960, 4.25E-10	(.7 0.0)
1975, 4.13E-10	(.7 0.0)	1980, 4.46E-10	(.7 0.0)	1985, 4.28E-10	(.7 0.0)
2000, 4.00E-10	(.7 0.0)	2005, 4.24E-10	(.7 0.0)	2010, 4.24E-10	(.6 0.0)
2025, 3.75E-10	(.6 0.0)	2030, 4.13E-10	(.6 0.0)	2035, 4.20E-10	(.6 0.0)
2050, 4.10E-10	(.6 0.0)	2055, 4.14E-10	(.6 0.0)	2060, 4.27E-10	(.6 0.0)
2075, 3.94E-10	(.5 0.0)	2080, 3.87E-10	(.5 0.0)	2085, 3.76E-10	(.5 0.0)
2100, 3.71E-10	(.5 0.0)	2105, 3.55E-10	(.5 0.0)	2110, 3.65E-10	(.5 0.0)
2125, 3.28E-10	(.5 0.0)	2130, 3.38E-10	(.5 0.0)	2135, 3.69E-10	(.5 0.0)
2150, 3.33E-10	(.5 0.0)	2155, 3.48E-10	(.5 0.0)	2160, 3.60E-10	(.4 0.0)
2175, 3.66E-10	(.4 0.0)	2180E 3.70E-10	(.4 0.0)	2185E 4.01E-10	(.4 0.0)
2200E 3.49E-10	(.4 0.0)	2205E 3.80E-10	(.4 0.0)	2210E 3.89E-10	(.4 0.0)
135, 0.00(0.0 0.0)		139, 0.00(0.0 0.0)		148, 1.28( .4 0.0)	
166, 1.59(.9 0.0)		172, 1.69(.9 0.0)		181, 1.93(.8 0.0)	
0, 0.00(0.0 0.0)		0, 0.00(0.0 0.0)		0, 0.00(0.0 0.0)	
154, 1.30(.9 0.0)		192, 2.29(.8 0.0)		0, 0.00(0.0 0.0)	
161, 1.61(.9 0.0)		204, 2.38(.6 0.0)		0, 0.00(0.0 0.0)	
0, 0.00(0.0 0.0)		0, 0.00(0.0 0.0)		0, 0.00(0.0 0.0)	

X,Y(MM) -17.8 -4.9 SL3-237 16 SCANS, T= 222 48 PER WT 9, SCALE 1.00

R = 0.68

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X,Y(MM) -12.9 16.9 SL3-258 13 SCANS, T= 225.0 MG TAU WT .9, SCALE .84
X,Y(MM) -12.9 16.9 SL3-259 6 SCANS, T= 268.0 MG TAU WT .6, SCALE 1.40

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 $R = (0.98)$



HD 27295

53 TAU

HD 27295

LAMBDA	F	(WT, SIG)	F = AVE FLUX	FROM LAM-DEL/2	TO LAM+DEL/2
1610	0.0	(0.0 0.0)	1612U 9.80E-11(1.4 3.0)	1614 1.04E-10(1.4 0.0)	1616 1.26E-10(1.5 0.0)
1620	1.26E-10(1.5 0.0)		1622 1.25E-10(1.5 0.0)	1624 1.01E-10(1.4 0.0)	1626U 8.46E-11(1.4 0.0)
1630	9.41E-11(1.3 0.0)		1632U 7.24E-11(1.3 0.0)	1634 7.97E-11(1.3 0.0)	1636 8.78E-11(1.4 0.0)
1640	1.17E-10(1.5 0.0)		1642 1.06E-10(1.5 0.0)	1644 9.87E-11(1.5 0.0)	1646 1.11E-10(1.5 0.0)
1650	1.02E-10(1.5 0.0)		1652 8.41E-11(1.4 0.0)	1654 9.11E-11(1.4 0.0)	1656 1.02E-10(1.5 0.0)
1660	9.38E-11(1.5 0.0)		1662 1.08E-10(1.5 0.0)	1664 1.17E-10(1.5 0.0)	1666 1.25E-10(1.5 0.0)
1670	1.31E-10(1.5 0.0)		1672 1.17E-10(1.5 0.0)	1674 1.14E-10(1.5 0.0)	1676 1.17E-10(1.5 0.0)
1680	1.11E-10(1.5 0.0)		1682 1.01E-10(1.5 0.0)	1684U 7.92E-11(1.5 0.0)	1686 8.12E-11(1.5 0.0)
1690	9.95E-11(1.6 2.3)		1692 8.48E-11(1.6 1.4)	1694 9.06E-11(1.6 4.0)	1696 1.10E-10(1.6 9.9)
1700	1.05E-10(1.6 7.7)		1702 9.96E-11(1.7 7.4)	1704 1.03E-10(1.7 8.9)	1706 1.09E-10(1.7 4.3)
1710	1.04E-10(1.7 1.9)		1712 9.87E-11(1.7 2.2)	1714 9.68E-11(1.8 8.1)	1716 1.01E-10(1.8 8.1)
1720	1.13E-10(1.9 2.5)		1722 1.20E-10(1.9 9.9)	1724 1.19E-10(1.1 10.1)	1726 1.06E-10(1.0 9.9)
1730	9.89E-11(1.0 11.3)		1732 1.07E-10(1.1 12.6)	1734 1.09E-10(1.2 10.0)	1736 1.06E-10(1.1 10.0)
1740	9.27E-11(1.0 4.1)		1742 9.25E-11(1.1 2.3)	1744 9.54E-11(1.2 9.5)	1746 1.00E-10(1.4 15.8)
1750	1.08E-10(1.3 10.6)		1752 1.15E-10(1.4 6.7)	1754 1.12E-10(1.4 5.0)	1756 1.04E-10(1.3 4.2)
1760	8.73E-11(1.2 4.7)		1762 8.77E-11(1.2 7.6)	1764 9.20E-11(1.2 8.9)	1766 9.32E-11(1.2 7.5)
1770	9.25E-11(1.2 1.5)		1772 9.14E-11(1.3 1.8)	1774 9.30E-11(1.3 2.0)	1776 9.63E-11(1.4 2.5)
1780	9.35E-11(1.4 5.1)		1782 9.12E-11(1.4 7.3)	1784 9.17E-11(1.4 10.4)	1786 9.22E-11(1.4 10.9)
1790	8.66E-11(1.4 3.6)		1792 8.68E-11(1.4 3.7)	1794 9.24E-11(1.4 4.7)	1796 9.91E-11(1.4 4.6)
1800	9.72E-11(1.4 6.1)		1802 9.63E-11(1.4 3.8)	1804 9.96E-11(1.4 2.8)	1806 1.04E-10(1.4 1.8)
1810	1.01E-10(1.4 5.7)		1812 9.68E-11(1.4 6.3)	1814 9.34E-11(1.4 4.6)	1816 9.27E-11(1.4 2.4)
1820	9.58E-11(1.4 3.1)		1822 9.79E-11(1.4 3.9)	1824 1.00E-10(1.4 3.4)	1826 1.01E-10(1.4 4.7)
1830	9.75E-11(1.4 5.7)		1835 9.23E-11(1.4 4.4)	1840 8.15E-11(1.4 1.0)	1845 8.21E-11(1.4 4.3)
1840	1.00E-10(1.4 4.3)		1845 8.43E-11(1.4 1.0)	1850 8.80E-11(1.4 1.7)	1855 8.85E-11(1.4 6.5)
1850	8.57E-11(1.4 4.3)		1855 8.42E-11(1.4 2.3)	1860 8.80E-11(1.4 1.7)	1865 8.85E-11(1.4 1.5)
1860	8.88E-11(1.4 8.3)		1865 8.51E-11(1.4 7.1)	1870 8.63E-11(1.4 2.9)	1875 8.85E-11(1.4 1.5)
1870	7.98E-11(1.4 1.4)		1875 7.44E-11(1.4 5.0)	1880 7.11E-11(1.4 3.3)	1885 7.51E-11(1.4 6.1)
1880	7.68E-11(1.4 4.8)		1885 7.77E-11(1.4 7.1)	1890 7.21E-11(1.4 2.9)	1895 6.99E-11(1.4 5.4)
1890	7.37E-11(1.4 7.4)		1895 7.22E-11(1.4 4.5)	1900 7.12E-11(1.4 1.6)	1905 7.19E-11(1.4 4.7)
1900	7.18E-11(1.4 5.0)		1905 6.83E-11(1.4 7.7)	1910 6.88E-11(1.4 4.1)	1915 7.04E-11(1.4 2.8)
1910	6.75E-11(1.4 1.4)		1915 6.68E-11(1.4 4.2)	1920 6.59E-11(1.4 2.3)	1925 6.51E-11(1.4 6.0)
1920	6.05E-11(1.4 6.0)		1925 6.00E-11(1.4 3.5)	1930 6.04E-11(1.4 4.9)	1935 6.06E-11(1.4 3.3)
1930	6.07E-11(1.4 1.6)		1935 5.89E-11(1.4 5.4)	1940 5.78E-11(1.4 6.6)	1945 5.75E-11(1.4 4.5)
1940	5.53E-11(1.4 4.2)		1945 5.48E-11(1.4 2.9)	1950 5.59E-11(1.4 3.1)	1955 5.62E-11(1.4 3.7)
1950	5.30E-11(1.3 6.1)		1955 5.31E-11(1.3 3.6)	1960 5.13E-11(1.3 2.2)	1965 4.84E-11(1.3 1.3)
1960	4.81E-11(1.3 6.3)		1965 4.76E-11(1.3 7.1)	1970 4.80E-11(1.3 7.5)	1975 4.88E-11(1.3 6.1)
1970	4.91E-11(1.3 6.7)		1975 4.77E-11(1.3 6.0)	1980 4.72E-11(1.3 5.4)	1985 4.79E-11(1.3 5.9)
1980	4.86E-11(1.3 3.6)		1985 4.75E-11(1.3 2.1)	1990 4.65E-11(1.3 3.5)	1995 4.57E-11(1.3 8.0)
1990	4.32E-11(1.2 8.4)		1995 4.15E-11(1.3 5.7)	2000 4.04E-11(1.3 4.9)	2005 4.02E-11(1.3 4.8)
2000	3.98E-11(1.2 5.2)		2005 3.95E-11(1.2 7.9)	2010 3.93E-11(1.2 9.2)	2015 3.90E-11(1.2 7.5)
2010	3.79E-11(1.2 3.7)		2015 3.86E-11(1.2 4.1)	2020 3.92E-11(1.2 4.9)	2025 3.93E-11(1.2 5.7)
2020	3.87E-11(1.2 4.2)		2025 3.79E-11(1.2 4.4)	2030 3.66E-11(1.2 6.7)	2035 3.51E-11(1.2 8.7)
2030	3.40E-11(1.2 5.8)		2035 3.43E-11(1.2 3.7)	2040 3.42E-11(1.2 4.5)	2045 3.36E-11(1.2 7.4)
2040	3.40E-11(1.2 5.7)		2045 3.42E-11(1.2 4.8)	2050 3.31E-11(1.2 10.8)	2055 3.24E-11(1.2 9.7)
2050	3.26E-11(1.2 5.6)		2055 3.45E-11(1.1 14.3)	2060 3.48E-11(1.1 16.5)	2065 3.35E-11(1.1 10.5)
2060	3.11E-11(1.1 5.0)		2065 2.99E-11(1.1 7.9)	2070 2.87E-11(1.1 5.2)	2075 2.85E-11(1.1 1.4)
2070	2.77E-11(1.1 4.1)		2075 2.67E-11(1.1 2.7)	2080 2.68E-11(1.1 3.3)	2085 2.70E-11(1.0 2.0)
2080	2.72E-11(1.0 1.3)		2085 2.58E-11(1.0 2.6)	2090 2.46E-11(1.0 6.6)	2095 2.40E-11(1.0 5.4)
2090	2.34E-11(1.0 3.8)		2095 2.34E-11(1.0 2.6)	2100 2.32E-11(1.0 4.4)	2105 2.28E-11(1.0 6.6)
2100	2.27E-11(1.0 2.9)		2105 2.35E-11(1.0 5.1)	2110 2.36E-11(1.0 6.9)	2115 2.33E-11(1.0 6.5)
2110	2.31E-11(1.0 5.6)		2115 2.36E-11(1.0 8.3)	2120 2.36E-11(1.0 3.3)	2125 2.28E-11(1.0 2.6)
2120	2.16E-11(1.0 6.6)		2125 2.30E-11(1.0 9.1)	2130 2.45E-11(1.0 8.4)	2135 2.49E-11(1.0 8.6)
2130	2.41E-11(1.0 5.6)		2135 2.39E-11(1.0 6.8)	2140 2.30E-11(1.0 6.5)	2145 2.25E-11(1.0 5.1)
2140	2.46E-11(1.0 8.1)		2145 2.57E-11(1.0 11.4)	2150 2.60E-11(1.0 7.4)	2155 2.56E-11(1.0 7.8)
2150	2.55E-11(1.0 7.1)		2155 2.57E-11(1.0 11.4)	2160 2.62E-11(1.0 14.0)	2165 2.69E-11(1.0 16.7)
2160	2.63E-11(1.0 7.1)		2165 2.52E-11(1.0 7.8)	2170 2.42E-11(1.0 3.2)	2175 2.38E-11(1.0 7.3)
2170	2.41E-11(1.0 6.6)		2175 2.49E-11(1.0 6.1)	2180 2.56E-11(1.0 6.6)	2185 2.60E-11(1.0 6.1)
2180	2.52E-11(1.0 6.4)		2185 2.46E-11(1.0 6.1)	2190 2.44E-11(1.0 6.3)	2195 2.44E-11(1.0 6.4)
2190	2.52E-11(1.0 6.6)		2195 2.44E-11(1.0 6.3)	2200 2.45E-11(1.0 6.5)	2205 2.49E-11(1.0 6.8)
2200	2.40E-11(1.0 6.9)		2205 2.40E-11(1.0 6.5)	2210 2.40E-11(1.0 6.5)	2215 2.49E-11(1.0 6.8)
2210	2.73E-11(1.0 17.6)		2215 3.05E-11(1.0 12.0)	2220 3.09E-11(1.0 17.0)	2225 2.88E-11(1.0 24.7)
2220	2.85E-11(1.0 17.6)		2225 2.94E-11(1.0 15.6)	2230 2.96E-11(1.0 16.4)	2235 2.88E-11(1.0 21.3)
2230	2.54E-11(1.0 27.3)		2235 2.46E-11(1.0 21.8)	2240 2.53E-11(1.0 13.1)	2245 2.64E-11(1.0 4.8)
2240	2.64E-11(1.0 4.2)		2245 2.52E-11(1.0 4.2)	2250 2.40E-11(1.0 5.1)	2255 2.31E-11(1.0 5.8)
2250	2.20E-11(1.0 13.5)		2255 2.09E-11(1.0 10.6)	2260 2.24E-11(1.0 22.0)	2265 1.92E-11(1.0 13.2)
2260	2.14E-11(1.0 17.7)		2265 2.25E-11(1.0 20.5)	2270 2.24E-11(1.0 22.0)	2275 2.15E-11(1.0 22.8)
2270	2.19E-11(1.0 19.0)		2275 2.45E-11(1.0 17.6)	2280 2.85E-11(1.0 17.6)	2285 3.30E-11(1.0 18.4)
2280	4.02E-11(1.0 22.3)		2285 4.15E-11(1.0 23.2)	2290 4.19E-11(1.0 22.5)	2295 4.19E-11(1.0 21.8)
2290	4.22E-11(1.0 22.0)		2295 4.29E-11(1.0 20.7)	2300 4.21E-11(1.0 22.0)	2305 4.03E-11(1.0 21.7)
2300	0.00(0.0 0.0)		2305 0.00(0.0 0.0)	2310 0.00(0.0 0.0)	2315 0.00(0.0 0.0)
2310	3.85(1.0 3.7)		2315 3.86(1.0 3.7)	2320 3.97(1.4 2.6)	2325 4.18(1.4 2.7)
2320	4.81(1.3 5.6)		2325 5.28(1.1 4.6)	2330 5.43(1.8 3.8)	2335 5.40(1.4 16.8)
2330	0.00(0.0 0.0)		2335 0.00(0.0 0.0)	2340 0.00(0.0 0.0)	2345 0.00(0.0 0.0)
2340	0.00(0.0 0.0)		2345 0.00(0.0 0.0)	2350 0.00(0.0 0.0)	2355 0.00(0.0 0.0)
2350	0.00(0.0 0.0)		2355 0.00(0.0 0.0)	2360 0.00(0.0 0.0)	2365 0.00(0.0 0.0)
2360	0.00(0.0 0.0)		2365 0.00(0.0 0.0)	2370 0.00(0.0 0.0)	2375 0.00(0.0 0.0)
2370	0.00(0.0 0.0)		2375 0.00(0.0 0.0)	2380 0.00(0.0 0.0)	2385 0.00(0.0 0.0)
2380	0.00(0.0 0.0)		2385 0.00(0.0 0.0)	2390 0.00(0.0 0.0)	2395 0.00(0.0 0.0)
2390	0.00(0.0 0.0)		2395 0.00(0.0 0.0)	2400 0.00(0.0 0.0)	2405 0.00(0.0 0.0)
2400	0.00(0.0 0.0)		2405 0.00(0.0 0.0)	2410 0.00(0.0 0.0)	2415 0.00(0.0 0.0)
2410	0.00(0.0 0.0)		2415 0.00(0.0 0.0)	2420 0.00(0.0 0.0)	2425 0.00(0.0 0.0)
2420	0.00(0.0 0.0)		2425 0.00(0.0 0.0)	2430 0.00(0.0 0.0)	2435 0.00(0.0 0.0)
2430	0.00(0.0 0.0)		2435 0.00(0.0 0.0)	2440 0.00(0.0 0.0)	2445 0.00(0.0 0.0)
2440	0.00(0.0 0.0)		2445 0.00(0.0 0.0)	2450 0.00(0.0 0.0)	2455 0.00(0.0 0.0)
2450	0.00(0.0 0.0)		2455 0.00(0.0 0.0)	2460 0.00(0.0 0.0)	2465 0.00(0.0 0.0)
2460	0.00(0.0 0.0)		2465 0.00(0.0 0.0)	2470 0.00(0.0 0.0)	2475 0.00(0.0 0.0)
2470	0.00(0.0 0.0)		2475 0.00(0.0 0.0)	2480 0.00(0.0 0.0)	2485 0.00(0.0 0.0)
2480	0.00(0.0 0.0)		2485 0.00(0.0 0.0)	2490 0.00(0.0 0.0)	2495 0.00(0.0 0.0)
2490	0.00(0.0 0.0)		2495 0.00(0.0 0.0)	2500 0.00(0.0 0.0)	2505 0.00(0.0 0.0)
2500	0.00(0.0 0.0)		2505 0.00(0.0 0.0)	2510 0.00(0.0 0.0)	2515 0.00(0.0 0.0)
2510	0.00(0.0 0.0)		2515 0.00(0.0 0.0)	2520 0.00(0.0 0.0)	2525 0.00(0.0 0.0)
2520	0.00(0.0 0.0)		2525 0.00(0.0 0.0)	2530 0.00(0.0 0.0)	2535 0.00(0.0 0.0)
2530	0.00(0.0 0.0)		2535 0.00(0.0 0.0)	2540 0.00(0.0 0.0)	2545 0.00(0.0 0.0)
2540	0.00(0.0 0.0)		2545 0.00(0.0 0.0)	2550 0.00(0.0 0.0)	2555 0.00(0.0 0.0)
2550	0.00(0.0 0.0)		2555 0.00(0.0 0.0)	2560 0.00(0.0 0.0)	2565 0.00(0.0 0.0)
2560	0.00(0.0 0.0)		2565 0.00(0.0 0.0)	2570 0.00(0.0 0.0)	2575 0.00(0.0 0.0)
2570	0.00(0.0 0.0)		2575 0.00(0.0 0.0)	2580 0.00(0.0 0.0)	2585 0.00(0.0 0.0)
2580	0.00(0.0 0.0)		2585 0.00(0.0 0.0)	2590 0.00(0.0 0.0)	2595 0.00(0.0 0.0)
2590	0.00(0.0 0.0)		2595 0.00(0.0 0.0)	2600 0.00(0.0 0.0)	2605 0.00(0.0 0.0)
2600	0.00(0.0 0.0)		2605 0.00(0.0 0.0)	2610 0.00(0.0 0.0)	2615 0.00(0.0 0.0)
2610	0.00(0.0 0.0)		2615 0.00(0.0 0.0)	2620 0.00(0.0 0.0)	2625 0.00(0.0 0.0)
2620	0.00(0.0 0.0)		2625 0.00(0.0 0.0)	2630 0.00(0.0 0.0)	2635 0.00(0.0 0.0)
2630	0.00(0.0 0.0)		2635 0.00(0.0 0.0)	2640 0.00(0.0 0.0)	2645 0.00(0.0 0.0)
2640	0.00(0.0 0.0)		2645 0.00(0.0 0.0)	2650 0.00(0.0 0.0)	2655 0.00(0.0 0.0)
2650	0.00(0.0 0.0)		2655 0.00(0.0 0.0)	2660 0.00(0.0 0.0)	2665 0.00(0.0 0.0)
2660	0.00(0.0 0.0)		2665 0.00(0.0 0.0)	2670 0.00(0.0 0.0)	2675 0.00(0.0 0.0)
2670	0.00(0.0 0.0)		2675 0.00(0.0 0.0)	2680 0.00(0.0 0.0)	2685 0.00(0.0 0.0)
2680	0.00(0.0 0.0)		2685 0.00(0.0 0.0)	2690 0.00(0.0 0.0)	2695 0.00(0.0 0.0

X, Y (MM)	-12.0	5.1	SL3-258	13	SCANS, T= 225	56	TAU	WT	.9, SCALE	.92
X, Y (MM)	-12.0	5.1	SL3-259	4	SCANS, T= 268	56	TAU	WT	.3, SCALE	1.16

R = 1.05

HD 27396

53 PER

HD 27396

LAMSDA	F	(WT, SIG)	F = AVE FLUX	FROM LAM-DEL/2	TO LAM+DEL/2									
1590	3.07E-10	.9 0.0)	1592	3.13E-10	.9 0.0)	1594	3.14E-10	.9 0.0)	1596	3.23E-10	.9 0.0)	1598	3.31E-10	.9 0.0)
1600	3.35E-10	.9 0.0)	1602	3.42E-10	.9 0.0)	1604	3.35E-10	.9 0.0)	1606	3.19E-10	.9 0.0)	1608	3.04E-10	.9 0.0)
1610	2.87E-10	.9 0.0)	1612	2.72E-10	.9 0.0)	1614	2.64E-10	.9 0.0)	1616	2.76E-10	.9 0.0)	1618	2.74E-10	.9 0.0)
1620	2.59E-10	.9 0.0)	1622	2.73E-10	.9 0.0)	1624	2.91E-10	.9 0.0)	1626	2.88E-10	.9 0.0)	1628	2.86E-10	.9 0.0)
1630	2.74E-10	.9 0.0)	1632	2.58E-10	.9 0.0)	1634	2.41E-10	.9 0.0)	1636	2.47E-10	.9 0.0)	1638	2.79E-10	.9 0.0)
1640	2.85E-10	.9 0.0)	1642	2.75E-10	.9 0.0)	1644	2.80E-10	.9 0.0)	1646	2.82E-10	.9 0.0)	1648	2.89E-10	.9 0.0)
1650	2.92E-10	.9 0.0)	1652	2.68E-10	.9 0.0)	1654	2.54E-10	.9 0.0)	1656	2.64E-10	.9 0.0)	1658	2.82E-10	.9 0.0)
1660	2.80E-10	.9 0.0)	1662	2.73E-10	.9 0.0)	1664	2.68E-10	.9 0.0)	1666	2.54E-10	.9 0.0)	1668	2.48E-10	.9 0.0)
1670	2.52E-10	.9 0.0)	1672	2.51E-10	.9 0.0)	1674	2.50E-10	.9 0.0)	1676	2.59E-10	.9 0.0)	1678	2.72E-10	.9 0.0)
1680	2.91E-10	.9 0.0)	1682	3.03E-10	.9 0.0)	1684	3.01E-10	.9 0.0)	1686	2.92E-10	.9 0.0)	1688	2.91E-10	.9 0.0)
1690	3.01E-10	.9 0.0)	1692	3.06E-10	.9 0.0)	1694	2.92E-10	.9 0.0)	1696	2.80E-10	.9 0.0)	1698	2.85E-10	.9 0.0)
1700	2.97E-10	.9 0.0)	1702	3.03E-10	.9 0.0)	1704	3.04E-10	.9 0.0)	1706	3.05E-10	.9 0.0)	1708	3.00E-10	.9 0.0)
1710	2.89E-10	.9 0.0)	1712	2.80E-10	.9 0.0)	1714	2.75E-10	.9 0.0)	1716	2.71E-10	.9 0.0)	1718	2.69E-10	.9 0.0)
1720	2.67E-10	.9 0.0)	1722	2.65E-10	.9 0.0)	1724	2.62E-10	.9 0.0)	1726	2.63E-10	.9 0.0)	1728	2.62E-10	.9 0.0)
1730	2.60E-10	.9 0.0)	1732	2.61E-10	.9 0.0)	1734	2.61E-10	.9 0.0)	1736	2.61E-10	.9 0.0)	1738	2.66E-10	.9 0.0)
1740	2.66E-10	.9 0.0)	1742	2.58E-10	.9 0.0)	1744	2.51E-10	.9 0.0)	1746	2.57E-10	.9 0.0)	1748	2.58E-10	.9 0.0)
1750	2.49E-10	.9 0.0)	1752	2.42E-10	.9 0.0)	1754	2.39E-10	.9 0.0)	1756	2.43E-10	.9 0.0)	1758	2.49E-10	.9 0.0)
1760	2.52E-10	.9 0.0)	1762	2.50E-10	.9 0.0)	1764	2.43E-10	.9 0.0)	1766	2.38E-10	.9 0.0)	1768	2.33E-10	.9 0.0)
1770	2.32E-10	.9 0.0)	1772	2.35E-10	.9 0.0)	1774	2.31E-10	.9 0.0)	1776	2.26E-10	.9 0.0)	1778	2.25E-10	.9 0.0)
1780	2.24E-10	.9 0.0)	1782	2.18E-10	.9 0.0)	1784	2.14E-10	.9 0.0)	1786	2.16E-10	.9 0.0)	1788	2.18E-10	.9 0.0)
1790	2.14E-10	.9 0.0)	1792	2.08E-10	.9 0.0)	1794	2.07E-10	.9 0.0)	1796	2.12E-10	.9 0.0)	1798	2.21E-10	.9 0.0)
1800	2.26E-10	.9 0.0)	1802	2.29E-10	.9 0.0)	1804	2.27E-10	.9 0.0)	1806	2.23E-10	.9 0.0)	1808	2.20E-10	.9 0.0)
1810	2.18E-10	.9 0.0)	1812	2.11E-10	.9 0.0)	1814	2.05E-10	.9 0.0)	1816	2.03E-10	.9 0.0)	1818	2.05E-10	.9 0.0)
1820	2.05E-10	.9 0.0)	1822	2.03E-10	.9 0.0)	1824	1.99E-10	.9 0.0)	1826	1.98E-10	.9 0.0)	1828	0.0	(0.0 0.0)
1800	2.26E-10	.9 0.0)	1805	2.25E-10	.9 0.0)	1810	2.16E-10	.9 0.0)	1815	2.03E-10	.9 0.0)	1820	2.04E-10	.9 0.0)
1825	1.99E-10	.9 0.0)	1830	2.02E-10	.9 0.0)	1835	2.06E-10	.9 0.0)	1840	2.01E-10	.9 0.0)	1845	1.99E-10	.9 0.0)
1850	1.94E-10	.9 0.0)	1855	1.92E-10	.9 0.0)	1860	1.86E-10	.9 0.0)	1865	1.90E-10	.9 0.0)	1870	1.90E-10	.9 0.0)
1875	1.93E-10	.9 0.0)	1880	1.87E-10	.9 0.0)	1885	1.82E-10	.9 0.0)	1890	1.76E-10	.9 0.0)	1895	1.67E-10	.9 0.0)
1900	1.66E-10	.9 0.0)	1905	1.65E-10	.9 0.0)	1910	1.67E-10	.9 0.0)	1915	1.77E-10	.9 0.0)	1920	1.70E-10	.9 0.0)
1925	1.59E-10	.9 0.0)	1930	1.56E-10	.9 0.0)	1935	1.55E-10	.9 0.0)	1940	1.53E-10	.9 0.0)	1945	1.48E-10	.9 0.0)
1950	1.50E-10	.9 0.0)	1955	1.54E-10	.9 0.0)	1960	1.58E-10	.9 0.0)	1965	1.52E-10	.9 0.0)	1970	1.44E-10	.9 0.0)
1975	1.35E-10	.9 0.0)	1980	1.28E-10	.9 0.0)	1985	1.29E-10	.9 0.0)	1990	1.38E-10	.9 0.0)	1995	1.37E-10	.9 0.0)
2000	1.35E-10	.9 0.0)	2005	1.30E-10	.8 0.0)	2010	1.29E-10	.8 0.0)	2015	1.30E-10	.8 0.0)	2020	1.28E-10	.8 0.0)
2025	1.25E-10	.8 0.0)	2030	1.19E-10	.8 0.0)	2035	1.13E-10	.8 0.0)	2040	1.11E-10	.8 0.0)	2045	1.14E-10	.8 0.0)
2050	1.14E-10	.8 0.0)	2055	1.13E-10	.8 0.0)	2060	1.13E-10	.8 0.0)	2065	1.14E-10	.7 0.0)	2070	1.14E-10	.7 0.0)
2075	1.15E-10	.7 0.0)	2080	1.12E-10	.7 0.0)	2085	1.10E-10	.7 0.0)	2090	1.09E-10	.7 0.0)	2095	1.09E-10	.7 0.0)
2100	1.10E-10	.7 0.0)	2105	1.12E-10	.7 0.0)	2110	1.16E-10	.7 0.0)	2115	1.12E-10	.7 0.0)	2120	1.05E-10	.7 0.0)
2125	9.76E-11	.7 0.0)	2130	9.49E-11	.7 0.0)	2135	9.16E-11	.7 0.0)	2140	9.15E-11	.7 0.0)	2145	9.23E-11	.7 0.0)
2150	9.39E-11	.7 0.0)	2155	9.41E-11	.6 0.0)	2160	9.27E-11	.6 0.0)	2165	9.03E-11	.6 0.0)	2170	8.99E-11	.6 0.0)
2175	9.07E-11	.6 0.0)	2180	9.12E-11	.6 0.0)	2185	9.10E-11	.6 0.0)	2190	9.31E-11	.6 0.0)	2195	9.74E-11	.6 0.0)
2200	9.67E-11	.6 0.0)	2205	9.38E-11	.6 0.0)	2210	9.27E-11	.6 0.0)	2215	9.13E-11	.6 0.0)	2220	9.08E-11	.6 0.0)
2225	8.46E-11	.6 0.0)	2230	8.18E-11	.6 0.0)	2235	8.47E-11	.6 0.0)	2240	8.98E-11	.6 0.0)	2245	9.53E-11	.5 0.0)
2250	9.52E-11	.5 0.0)	2255	9.13E-11	.5 0.0)	2260	8.81E-11	.5 0.0)	2265	8.74E-11	.5 0.0)	2270	8.78E-11	.5 0.0)
2275	8.76E-11	.5 0.0)	2280	8.79E-11	.5 0.0)	2285	8.64E-11	.5 0.0)	2290	8.80E-11	.5 0.0)	2295	9.22E-11	.5 0.0)
2300	9.47E-11	.5 0.0)	2305	9.59E-11	.5 0.0)	2310	9.04E-11	.5 0.0)	2315	8.50E-11	.5 0.0)	2320	0.0	(0.0 0.0)
2330	9.47E-11	.5 0.0)	2330	9.05E-11	.5 0.0)	2330	8.11E-11	.5 0.0)	2330	8.24E-11	.5 0.0)	2340	8.84E-11	.5 0.0)
2340	9.04E-11	.4 0.0)	2340	9.68E-11	.4 0.0)	2340	1.05E-10	.4 0.0)	2340	9.74E-11	.4 0.0)	2340	9.10E-11	.4 0.0)
2400E	9.08E-11	.4 0.0)	2410E	9.43E-11	.4 0.0)	2420E	9.46E-11	.4 0.0)	2430E	9.52E-11	.4 0.0)	2440E	9.60E-11	.4 0.0)
2450E	9.73E-11	.3 0.0)	2460E	9.79E-11	.3 0.0)	2470E	9.45E-11	.3 0.0)	2480E	9.25E-11	.3 0.0)	2490E	9.68E-11	.3 0.0)
2500E	1.01E-10	.3 0.0)	2510E	9.80E-11	.3 0.0)	2520E	9.44E-11	.3 0.0)	2530E	9.40E-11	.3 0.0)	2540E	1.00E-10	.3 0.0)
2550E	1.08E-10	.3 0.0)	2560E	1.07E-10	.3 0.0)	2570E	1.02E-10	.3 0.0)	2580E	1.03E-10	.3 0.0)	2590E	1.08E-10	.2 0.0)
2600E	1.12E-10	.2 0.0)	2610E	1.10E-10	.2 0.0)	2620E	1.05E-10	.2 0.0)	2630E	1.01E-10	.2 0.0)	2640E	1.01E-10	.2 0.0)
2650E	1.05E-10	.2 0.0)	2660E	1.15E-10	.2 0.0)	2670E	1.23E-10	.2 0.0)	2680E	1.24E-10	.2 0.0)	2690E	1.18E-10	.2 0.0)
2700E	1.17E-10	.2 0.0)	2710E	1.19E-10	.2 0.0)	2720E	1.19E-10	.2 0.0)	2730E	1.15E-10	.2 0.0)	2740E	1.11E-10	.2 0.0)
2750E	1.08E-10	.2 0.0)	2760E	1.03E-10	.2 0.0)	2770E	9.63E-11	.2 0.0)	2780E	9.35E-11	.2 0.0)	2790E	9.56E-11	.2 0.0)
2800E	1.02E-10	.2 0.0)	2810E	1.09E-10	.2 0.0)	2820E	1.15E-10	.2 0.0)	2830E	1.16E-10	.2 0.0)	2840E	1.12E-10	.2 0.0)
2850E	1.09E-10	.2 0.0)	2860E	1.12E-10	.2 0.0)	2870E	1.17E-10	.1 0.0)	2880E	1.19E-10	.1 0.0)	2890E	1.21E-10	.1 0.0)
2900E	1.20E-10	.1 0.0)	2910E	1.19E-10	.1 0.0)	2920E	1.15E-10	.1 0.0)	2930E	1.10E-10	.2 0.0)	2940E	1.04E-10	.2 0.0)
2950E	9.93E-11	.2 0.0)	2960E	9.86E-11	.2 0.0)	2970E	1.01E-10	.1 0.0)	2980E	1.06E-10	.1 0.0)	2990E	1.11E-10	.1 0.0)
3000E	1.15E-10	.1 0.0)	3010E	1.14E-10	.1 0.0)	3020E	1.09E-10	.1 0.0)	3030E	1.03E-10	.1 0.0)	3040E	0.0	(0.0 0.0)
3000E	1.14E-10	.1 0.0)	3020E	1.09E-10	.1 0.0)	3040E	9.96E-11	.1 0.0)	3060E	9.55E-11	.1 0.0)	3080E	9.25E-11	.1 0.0)
3100E	9.09E-11	.1 0.0)	3120E	9.50E-11	.1 0.0)	3140E	9.95E-11	.1 0.0)	3160E	9.83E-11	.1 0.0)	3180E	9.79E-11	.1 0.0)
135,	0.00(0.0 0.0)		139,	0.00(0.0 0.0)		148,	0.00(0.0 0.0)		154,	0.00(0.0 0.0)		161,	0.00(0.0 0.0)	
166,	2.80(.9 0.0)		172,	2.82(.9 0.0)		181,	3.07(.9 0.0)		192,	3.36(.9 0.0)		204,	3.70(.8 0.0)	
219,	3.98(.6 0.0)		245E	3.94(.3 0.0)		280E	3.80(.2 0.0)		360,	0.00(0.0 0.0)		0,	0.00(0.0 0.0)	

X,Y(MM) -2.2 10.7 SL3-237 16 SCANS, T= 222 53 PER WT .9, SCALE 1.00

R = 0.95

$\cdot R. = (1, 15)$

HD 27946

67 TAU

HD 27946

LAMBDA	F	(WT, SIG)	F = AVE FLUX FROM LAM-DEL/2 TO LAM+DEL/2
1925U	1.16E-11	(.2 0.0)	1930U 1.04E-11(.2 0.0)
1950U	1.10E-11	(.2 0.0)	1955U 1.13E-11(.2 0.0)
1975U	1.08E-11	(.3 0.0)	1980U 1.02E-11(.3 0.0)
2000U	9.71E-12	(.3 0.0)	2005U 8.72E-12(.3 0.0)
2025U	6.04E-12	(.3 0.0)	2030U 8.53E-12(.4 0.0)
2050U	9.77E-12	(.6 0.0)	2055U 9.75E-12(.6 0.0)
2075U	1.03E-11	(.9 0.0)	2080U 1.10E-11(.9 0.0)
2100U	1.02E-11	(.9 0.0)	2105U 1.06E-11(.9 0.0)
2125U	8.44E-12	(.9 0.0)	2130U 8.09E-12(.9 0.0)
2150U	7.25E-12	(.9 0.0)	2155U 6.96E-12(.9 0.0)
2175U	7.99E-12	(.9 0.0)	2180U 7.74E-12(.9 0.0)
2200U	9.34E-12	(.9 0.0)	2205U 9.18E-12(.9 0.0)
2225U	8.15E-12	(.9 0.0)	2230U 8.10E-12(.9 0.0)
2250U	7.64E-12	(.9 0.0)	2255U 7.40E-12(.9 0.0)
2275U	7.22E-12	(.9 0.0)	2280U 7.00E-12(.9 0.0)
2300U	7.08E-12	(.9 0.0)	2305U 7.36E-12(.9 0.0)
2325U	7.09E-12	(.9 0.0)	2330U 6.11E-12(.9 0.0)
2350U	5.49E-12	(.9 0.0)	2355U 5.48E-12(.9 0.0)
2400U	4.91E-12	(.9 0.0)	2410U 5.05E-12(.9 0.0)
2450U	5.98E-12	(.9 0.0)	2460U 6.11E-12(.9 0.0)
2500U	6.54E-12	(.9 0.0)	2510U 6.34E-12(.9 0.0)
2550U	5.78E-12	(.9 0.0)	2560U 5.77E-12(.9 0.0)
2600U	7.02E-12	(.9 0.0)	2610U 6.83E-12(.9 0.0)
2650U	8.20E-12	(.9 0.0)	2660U 8.87E-12(.9 0.0)
2700U	8.41E-12	(.9 0.0)	2710U 8.20E-12(.9 0.0)
2750U	7.69E-12	(.9 0.0)	2760U 7.56E-12(.9 0.0)
2800U	6.88E-12	(.9 0.0)	2810U 7.05E-12(.9 0.0)
2850U	8.62E-12	(.7 0.0)	2860U 8.69E-12(.7 0.0)
2900U	8.59E-12	(.7 0.0)	2910U 9.04E-12(.7 0.0)
2950U	9.87E-12	(.6 0.0)	2960U 1.01E-11(.6 0.0)
3000U	1.07E-11	(.6 0.0)	3010U 1.08E-11(.6 0.0)
3050U	1.07E-11	(.6 0.0)	3060U 1.11E-11(.5 0.0)
3100U	1.18E-11	(.5 0.0)	3110U 1.20E-11(.5 0.0)
3150U	1.32E-11	(.4 0.0)	3160U 1.26E-11(.4 0.0)
3200U	1.65E-11	(.3 0.0)	3210U 1.84E-11(.3 0.0)
3250U	1.67E-11	(.3 0.0)	3260U 1.66E-11(.3 0.0)
3300U	1.51E-11	(.3 0.0)	3310U 1.52E-11(.3 0.0)
3350U	1.60E-11	(.3 0.0)	3360U 1.56E-11(.3 0.0)
3400U	1.49E-11	(.3 0.0)	3410U 1.47E-11(.3 0.0)
3450U	1.98E-11	(.3 0.0)	3460U 2.23E-11(.2 0.0)
3500U	2.97E-11	(.2 0.0)	3510U 3.10E-11(.2 0.0)
3550U	3.91E-11	(.2 0.0)	3560U 4.20E-11(.2 0.0)
3600U	4.81E-11	(.2 0.0)	3610U 4.68E-11(.2 0.0)
3650U	0.00(0.0 0.0)		3660U 0.00(0.0 0.0)
3700U	0.00(0.0 0.0)		3710U 0.00(0.0 0.0)
3750U	6.64(.9 0.0)		3760U 6.98(.9 0.0)
3800U			
3850U			
3900U			
3950U			
4000U			
4050U			
4100U			
4150U			
4200U			
4250U			
4300U			
4350U			
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9700U			
9750U			
9800U			
9850U			
9900U			
9950U			
10000U			

X,Y(MM) -2.2 -2.5 SL3-258 13 SCANS, T= 225 67 TAU WT .9, SCALE 1.00

R = (1.32)

[illegible]
$$R = (1.32)$$

HD 28319

THT-2 TAU

HD 28319

LAMBDA, F (WT, SIG)	F = AVE FLUX	FROM LAM-DEL/2 TO LAM+DEL/2
1850, 0.00(0.0 0.0)	1855U 5.05E-11(1.3 6.8)	1860U 6.44E-11(1.4 3.1)
1875, 8.21E-11(1.9 5.4)	1880, 8.53E-11(1.9 6.3)	1885U 5.62E-11(1.4 3.7)
1900U 4.98E-11(1.4 50.5)	1905U 5.34E-11(1.5 34.5)	1890, 6.91E-11(1.7 6.9)
1925, 7.17E-11(1.1 16.3)	1930, 7.29E-11(1.2 8.8)	1915, 6.96E-11(1.9 19.9)
1950, 7.00E-11(1.4 18.8)	1955, 7.92E-11(1.4 7.1)	1940, 8.27E-11(1.3 5.7)
1975, 8.95E-11(1.7 6.0)	1980, 9.22E-11(1.7 8.6)	1965, 9.68E-11(1.7 8.6)
2000, 9.18E-11(1.7 5.2)	2005, 8.60E-11(1.7 4.1)	1990, 8.95E-11(1.7 7.9)
2025, 8.64E-11(1.7 3.6)	2030, 8.74E-11(1.7 1.5)	2015, 8.64E-11(1.7 10.8)
2050, 9.47E-11(1.7 1.1)	2055, 9.39E-11(1.7 5.7)	2040, 9.74E-11(1.7 1.1)
2075, 9.28E-11(1.7 7.9)	2080, 8.93E-11(1.7 8.2)	2065, 9.73E-11(1.7 5.6)
2100, 9.43E-11(1.7 9.9)	2105, 8.94E-11(1.7 12.0)	2090, 9.26E-11(1.7 10.0)
2125, 9.39E-11(1.7 1.0)	2130, 9.37E-11(1.7 1.6)	2115, 9.35E-11(1.7 5.3)
2150, 9.24E-11(1.7 8)	2155, 9.24E-11(1.7 1.2)	2140, 9.29E-11(1.7 8)
2175, 9.23E-11(1.7 4.6)	2180, 9.24E-11(1.7 6.4)	2165, 9.42E-11(1.7 4.1)
2200, 9.08E-11(1.6 2.5)	2205, 9.08E-11(1.6 4.9)	2190, 9.06E-11(1.7 2.8)
2225, 8.98E-11(1.6 7)	2230, 8.93E-11(1.6 3)	2215, 9.06E-11(1.6 3.9)
2250, 8.52E-11(1.6 1.4)	2255, 8.51E-11(1.6 3.9)	2240, 8.87E-11(1.6 1.1)
2275, 8.11E-11(1.6 4.4)	2280, 8.04E-11(1.6 2)	2265, 8.36E-11(1.6 4.7)
2300, 8.60E-11(1.6 8.4)	2305, 8.75E-11(1.5 10.2)	2285, 7.99E-11(1.6 2.0)
		2310, 8.69E-11(1.5 12.0)
2330, 8.57E-11(1.5 8.5)	2310, 8.68E-11(1.5 11.8)	2320, 8.34E-11(1.5 11.5)
2350, 7.48E-11(1.6 8.3)	2360, 7.42E-11(1.5 5.9)	2370, 7.38E-11(1.5 8.9)
2400, 6.94E-11(1.5 8.7)	2410, 7.32E-11(1.5 11.3)	2420, 7.62E-11(1.5 12.4)
2450, 7.38E-11(1.5 8.7)	2460, 7.25E-11(1.5 4.5)	2470, 7.08E-11(1.5 6)
2500, 6.79E-11(1.5 8.7)	2510, 6.94E-11(1.5 10.8)	2520, 6.75E-11(1.5 10.6)
2550, 6.51E-11(1.5 13.0)	2560, 6.77E-11(1.5 14.7)	2570, 6.98E-11(1.5 11.2)
2600, 7.95E-11(1.4 1.4)	2610, 7.89E-11(1.4 6)	2620, 7.86E-11(1.4 8)
2650, 8.29E-11(1.4 4)	2660, 8.37E-11(1.4 4)	2670, 8.50E-11(1.4 1.8)
2700, 8.93E-11(1.3 4.1)	2710, 8.92E-11(1.3 5.3)	2720, 8.83E-11(1.3 7.9)
2750, 8.33E-11(1.3 10.4)	2760, 8.65E-11(1.2 5.7)	2770, 8.95E-11(1.2 0.0)
2800, 9.32E-11(1.2 6.5)	2810, 9.33E-11(1.2 5.3)	2820, 9.27E-11(1.2 4.5)
2850, 9.42E-11(1.1 2.9)	2860, 9.69E-11(1.1 2.9)	2870, 9.99E-11(1.1 4.4)
2900, 1.08E-10(1.0 9.0)	2910, 1.11E-10(1.0 9.0)	2920, 1.15E-10(9 7.4)
2950, 1.18E-10(9 9)	2960, 1.17E-10(9 8)	2970, 1.17E-10(9 3.0)
3000E 1.22E-10(8 5.9)	3010E 1.21E-10(8 6.5)	3020E 1.18E-10(8 6.9)
3030E 1.21E-10(8 5.7)	3020E 1.18E-10(8 6.9)	3040E 1.15E-10(8 7.0)
3100E 1.32E-10(7 11.5)	3120E 1.50E-10(6 14.5)	3140E 1.59E-10(6 13.5)
3200E 1.61E-10(5 1.1)	3220E 1.78E-10(5 1.7)	3240E 1.87E-10(5 4)
3300E 1.82E-10(4 3.7)	3320E 2.02E-10(4 6.8)	3340E 2.08E-10(4 7.0)
3400E 1.72E-10(4 3.3)	3420E 1.61E-10(4 6.4)	3440E 1.49E-10(4 7.1)
3500E 1.51E-10(5 2.7)	3520, 1.39E-10(5 0.0)	3540, 1.36E-10(5 0.0)
3060E 1.17E-10(8 6.6)	3080E 1.22E-10(7 9.0)	3100E 1.50E-10(6 5.0)
3160E 1.89E-10(5 1.2)	3180E 1.47E-10(5 7)	3200E 1.73E-10(4 7)
3260E 1.99E-10(4 5.4)	3280E 1.84E-10(4 1.2)	3300E 1.51E-10(4 4.8)
3360E 1.47E-10(4 6.3)	3400E 1.51E-10(4 4.8)	0, 0, (0.0 0.0)
135, 0.00(0.0 0.0)	139, 0.00(0.0 0.0)	148, 0.00(0.0 0.0)
166, 0.00(0.0 0.0)	172, 0.00(0.0 0.0)	181, 0.00(0.0 0.0)
219, 4.02(1.7 1.8)	245, 4.26(1.5 3.1)	280, 3.92(1.1 9)

X,Y(MM) -17.6 -1.6 SL3-217 18 SCANS, T= 224 THT-2 TAU WT .9, SCALE 1.14

X,Y(MM) -17.6 -1.6 SL3-218 16 SCANS, T= 80: THT-2 TAU WT .9, SCALE .89

R = 0.76

LAMBDA	F	(WT, SIG)	F = AVE FLUX	FROM LAM-DEL/2 TO LAM+DEL/2
1875, 0.	(0.0, 0.0)	1880, 6.61E-12( 2.0 0.0)	1885, 8.16E-12( 3.0 0.0)	1890, 8.20E-12( 3.0 0.0)
1900, 8.28E-12( 3.0 0.0)	1905, 8.06E-12( 3.0 0.0)	1910, 8.55E-12( 3.0 0.0)	1915, 8.34E-12( 3.0 0.0)	1920, 9.67E-12( 3.0 0.0)
1925, 9.34E-12( 3.0 0.0)	1930, 9.02E-12( 3.0 0.0)	1935, 8.44E-12( 3.0 0.0)	1940, 8.36E-12( 3.0 0.0)	1945, 7.98E-12( 3.0 0.0)
1950, 8.93E-12( 3.0 0.0)	1955, 9.18E-12( 3.0 0.0)	1960, 1.02E-11( 3.0 0.0)	1965, 9.59E-12( 3.0 0.0)	1970, 8.85E-12( 3.0 0.0)
1975, 1.05E-11( 3.0 0.0)	1980, 1.13E-11( 3.0 0.0)	1985, 1.10E-11( 3.0 0.0)	1990, 9.59E-12( 3.0 0.0)	1995, 9.02E-12( 3.0 0.0)
2000, 8.28E-12( 3.0 0.0)	2005, 8.28E-12( 3.0 0.0)	2010, 8.44E-12( 3.0 0.0)	2015, 8.52E-12( 3.0 0.0)	2020, 8.85E-12( 3.0 0.0)
2025, 9.26E-12( 3.0 0.0)	2030, 9.18E-12( 3.0 0.0)	2035, 8.93E-12( 3.0 0.0)	2040, 9.18E-12( 3.0 0.0)	2045, 9.34E-12( 3.0 0.0)
2050, 9.43E-12( 3.0 0.0)	2055, 1.01E-11( 3.0 0.0)	2060, 9.51E-12( 3.0 0.0)	2065, 8.77E-12( 3.0 0.0)	2070, 9.10E-12( 3.0 0.0)
2075, 9.51E-12( 3.0 0.0)	2080, 9.92E-12( 3.0 0.0)	2085, 1.02E-11( 3.0 0.0)	2090, 9.75E-12( 3.0 0.0)	2095, 9.75E-12( 3.0 0.0)
2100, 1.05E-11( 3.0 0.0)	2105, 1.05E-11( 3.0 0.0)	2110, 1.05E-11( 3.0 0.0)	2115, 1.01E-11( 3.0 0.0)	2120, 1.14E-11( 3.0 0.0)
2125, 1.11E-11( 3.0 0.0)	2130, 9.75E-12( 3.0 0.0)	2135, 8.77E-12( 3.0 0.0)	2140, 8.77E-12( 3.0 0.0)	2145, 9.51E-12( 3.0 0.0)
2150, 1.02E-11( 3.0 0.0)	2155, 9.87E-12( 4.6 0.0)	2160, 9.37E-12( 4.7 9.9)	2165, 9.05E-12( 4.13 3.0)	2170, 8.78E-12( 4.16 4.4)
2175, 8.52E-12( 4.17 4.4)	2180, 8.46E-12( 4.19 2.2)	2185, 8.90E-12( 4.18 9.9)	2190, 9.13E-12( 4.20 8.8)	2195, 8.91E-12( 4.24 0.0)
2200, 8.30E-12( 4.23 5.5)	2205, 7.46E-12( 4.26 8.8)	2210, 7.41E-12( 5.25 4.4)	2215, 7.50E-12( 6.21 5.5)	2220, 7.41E-12( 6.18 8.8)
2225, 7.37E-12( 7.18 6.6)	2230, 7.45E-12( 7.19 0.0)	2235, 7.82E-12( 8.16 2.2)	2240, 8.05E-12( 10.13 3.3)	2245, 7.95E-12( 10.16 4.4)
2250, 7.18E-12( 8.22 7.7)	2255, 6.90E-12( 9.27 4.2)	2260, 7.05E-12( 10.27 8.8)	2265, 7.34E-12( 11.23 7.7)	2270, 7.62E-12( 13.16 0.0)
2275, 7.13E-12( 9.3 5.5)	2280, 8.06E-12( 11.3 5.2)	2285, 8.15E-12( 11.3 5.2)	2290, 7.75E-12( 11.3 12.7)	2295, 7.16E-12( 13.23 8.8)
2300, 6.90E-12( 12.26 1.1)	2305, 6.86E-12( 12.22 1.1)	2310, 6.90E-12( 13.17 2.2)	2315, 7.04E-12( 14.16 2.2)	0.0( 0.0 0.0)
2330, 6.93E-12( 13.25 4.4)	2335, 6.94E-12( 13.17 5.5)	2340, 7.15E-12( 14.16 7.7)	2345, 6.56E-12( 12.16 5.5)	2350, 5.95E-12( 11.15 5.5)
2350, 5.09E-12( 9.28 4.4)	2355, 5.01E-12( 9.37 6.6)	2360, 5.41E-12( 10.33 1.1)	2365, 5.42E-12( 12.19 1.1)	2370, 5.25E-12( 13.20 0.0)
2400, 5.42E-12( 14.27 4.4)	2410, 5.93E-12( 15.23 8.8)	2420, 6.47E-12( 15.19 0.0)	2430, 6.65E-12( 16.17 6.6)	2440, 6.91E-12( 16.20 7.7)
2450, 7.31E-12( 17.24 3.3)	2460, 7.58E-12( 17.18 2.2)	2470, 7.82E-12( 17.11 8.8)	2480, 7.97E-12( 17.9 6.6)	2490, 8.22E-12( 17.11 3.3)
2500, 8.60E-12( 18.15 5.5)	2510, 8.93E-12( 18.17 0.0)	2520, 9.04E-12( 19.13 7.7)	2530, 8.85E-12( 20.20 2.2)	2540, 8.39E-12( 19.15 8.8)
2550, 8.50E-12( 18.10 4.4)	2560, 8.99E-12( 19.12 5.5)	2570, 9.14E-12( 20.13 7.7)	2580, 9.04E-12( 21.11 3.3)	2590, 9.35E-12( 21.11 3.3)
2600, 8.01E-12( 19.12 0.0)	2610, 8.28E-12( 19.9 9.9)	2620, 8.69E-12( 20.9 5.5)	2630, 9.04E-12( 19.11 0.0)	2640, 9.25E-12( 19.12 7.7)
2650, 9.86E-12( 19.13 0.0)	2660, 1.05E-11( 19.11 0.0)	2670, 1.12E-11( 19.8 1.1)	2680, 1.15E-11( 19.3 5.5)	2690, 1.18E-11( 19.2 2.2)
2700, 1.22E-11( 19.2 3.3)	2710, 1.27E-11( 19.1 4.4)	2720, 1.32E-11( 18.2 9.9)	2730, 1.37E-11( 18.7 0.0)	2740, 1.40E-11( 18.9 6.6)
2750, 1.40E-11( 18.7 9.9)	2760, 1.38E-11( 18.5 0.0)	2770, 1.34E-11( 18.3 8.8)	2780, 1.31E-11( 18.3 8.8)	2790, 1.31E-11( 18.5 6.6)
2800, 1.33E-11( 18.8 5.5)	2810, 1.35E-11( 18.10 3.3)	2820, 1.34E-11( 18.10 2.2)	2830, 1.32E-11( 18.10 2.2)	2840, 1.31E-11( 18.11 7.7)
2850, 1.32E-11( 18.13 7.7)	2860, 1.33E-11( 18.14 0.0)	2870, 1.33E-11( 18.13 3.3)	2880, 1.36E-11( 18.11 6.6)	2890, 1.40E-11( 17.9 6.6)
2900, 1.47E-11( 17.6 8.8)	2910, 1.53E-11( 17.4 5.5)	2920, 1.56E-11( 17.3 3.3)	2930, 1.57E-11( 17.3 3.3)	2940, 1.61E-11( 16.8 5.5)
2950, 1.65E-11( 16.4 6.6)	2960, 1.67E-11( 16.5 1.1)	2970, 1.67E-11( 16.4 9.9)	2980, 1.66E-11( 16.5 3.3)	2990, 1.66E-11( 16.0 5.5)
3000, 1.68E-11( 16.4 8.8)	3010, 1.71E-11( 16.3 3.3)	3020, 1.74E-11( 16.1 7.7)	3030, 1.78E-11( 16.6 3.3)	0.0( 0.0 0.0)
3040, 1.69E-11( 16.4 6.6)	3050, 1.75E-11( 16.2 1.1)	3060, 1.81E-11( 16.5 9.9)	3065, 1.83E-11( 15.6 0.0)	3080, 1.87E-11( 15.5 3.3)
3100, 1.96E-11( 15.5 0.0)	3110, 2.01E-11( 15.6 6.6)	3120, 1.99E-11( 15.7 1.1)	3130, 1.98E-11( 15.7 1.1)	3140, 2.06E-11( 15.5 3.3)
3200, 2.14E-11( 14.6 0.0)	3210, 2.15E-11( 14.9 4.4)	3220, 2.18E-11( 14.9 6.6)	3230, 2.23E-11( 14.8 1.1)	3240, 2.25E-11( 14.7 2.2)
3300, 2.29E-11( 14.5 7.7)	3310, 2.35E-11( 14.6 0.0)	3320, 2.39E-11( 14.9 5.5)	3330, 2.40E-11( 14.3 8.0)	3340, 2.39E-11( 14.9 7.2)
3400, 2.37E-11( 13.10 5.5)	3410, 2.37E-11( 13.11 0.0)	3420, 2.38E-11( 13.9 9.9)	3430, 2.37E-11( 13.9 9.9)	3440, 2.36E-11( 13.5 6.6)
3500, 2.32E-11( 13.4 9.9)	3510, 2.28E-11( 13.4 7.7)	3520, 2.25E-11( 13.3 0.0)	3530, 2.26E-11( 13.2 0.0)	3540, 2.29E-11( 13.1 5.5)
3600, 2.29E-11( 13.9 4.4)	3610, 2.26E-11( 13.12 5.5)	3620, 2.20E-11( 13.12 6.6)	3630, 2.16E-11( 13.10 2.2)	3640, 2.13E-11( 13.9 7.7)
3700, 2.10E-11( 14.7 5.5)	3710, 2.07E-11( 14.7 5.5)	3720, 2.06E-11( 14.6 7.7)	3730, 2.05E-11( 14.5 6.6)	3740, 2.06E-11( 14.3 4.4)
3800, 2.09E-11( 14.7 7.7)	3810, 2.14E-11( 14.1 9.9)	3820, 2.19E-11( 14.3 6.6)	3830, 2.25E-11( 13.5 7.7)	3840, 2.29E-11( 13.7 5.5)
3900, 2.33E-11( 13.8 8.8)	3910, 2.37E-11( 13.9 4.4)	3920, 2.43E-11( 13.9 8.8)	3930, 2.51E-11( 13.10 1.1)	3940, 2.62E-11( 13.9 7.7)
4000, 2.74E-11( 13.9 8.8)	4010, 2.86E-11( 13.11 0.0)	4020, 2.99E-11( 13.11 8.8)	4030, 3.11E-11( 13.12 6.6)	4040, 3.25E-11( 13.13 3.3)
4100, 3.40E-11( 13.13 8.8)	4110, 3.55E-11( 12.13 4.4)	4120, 3.70E-11( 12.13 1.1)	4130, 3.87E-11( 12.13 5.5)	4140, 4.02E-11( 12.14 2.2)
135, 0.00(0.0 0.0)	139, 0.00(0.0 0.0)	148, 0.00(0.0 0.0)	154, 0.00(0.0 0.0)	161, 0.00(0.0 0.0)
166, 0.00(0.0 0.0)	172, 0.00(0.0 0.0)	181, 0.00(0.0 0.0)	192, 0.00(0.0 0.0)	204, 6.45(0.3 0.0)
219, 6.57(0.6 7.6)	245, 6.75(1.6 15.1)	280, 6.06(1.8 4.2)	360, 5.53(1.3 4.6)	0.0(0.0 0.0)

R = (0.92)



HD 28556

83 TAU

HD 28556

LAMBDA	F	(WT, SIG)	F = AVE FLUX FROM LAM-DEL/2 TO LAM+DEL/2
1850	0.00E-11(0.0 0.0)	1855	0.00E-11(0.0 0.0)
1855	1.01E-11(0.2 0.0)	1860	1.19E-11(0.3 0.0)
1875	1.16E-11(0.3 0.0)	1885	1.19E-11(0.3 0.0)
1900	1.16E-11(0.3 0.0)	1910	1.51E-11(0.3 0.0)
1925	1.30E-11(0.3 0.0)	1935	1.25E-11(0.3 0.0)
1950	9.88E-12(0.3 0.0)	1960	1.05E-11(0.3 0.0)
1975	1.26E-11(0.3 0.0)	1985	1.18E-11(0.3 0.0)
2000	1.34E-11(0.3 0.0)	2010	1.33E-11(0.3 0.0)
2025	1.09E-11(0.3 0.0)	2035	1.20E-11(0.3 0.0)
2050	1.13E-11(0.3 0.0)	2060	1.03E-11(0.3 0.0)
2075	1.45E-11(0.3 0.0)	2085	1.42E-11(0.4 8.4)
2100	1.36E-11(0.4 18.3)	2110	1.31E-11(0.5 10.0)
2125	1.11E-11(0.5 17.8)	2135	9.22E-12(0.5 9.1)
2150	1.02E-11(0.5 27.8)	2160	1.04E-11(0.8 11.9)
2175	9.36E-12(0.8 13.8)	2185	1.00E-11(1.1 10.9)
2200	1.16E-11(1.3 2.7)	2210	1.06E-11(1.3 7.1)
2225	1.03E-11(1.4 6.5)	2235	9.31E-12(1.4 11.8)
2250	9.01E-12(1.2 31.6)	2260	8.12E-12(1.0 32.9)
2275	9.72E-12(1.6 23.4)	2285	9.90E-12(1.6 5.9)
2300	1.08E-11(1.5 5.0)	2310	8.98E-12(1.5 8.5)
2330	1.06E-11(1.5 4.4)	2340	7.41E-12(1.4 4.8)
2350	7.51E-12(1.4 5.5)	2360	7.16E-12(1.4 3.6)
2400	6.39E-12(1.5 6.9)	2430	8.29E-12(1.5 4.4)
2450	7.41E-12(1.6 5.8)	2460	7.93E-12(1.8 13.3)
2500	8.96E-12(1.9 7.8)	2530	8.01E-12(1.8 13.0)
2550	7.42E-12(1.8 15.2)	2560	9.98E-12(2.0 6.2)
2600	9.94E-12(1.9 5.6)	2630	1.18E-11(1.9 8.4)
2650	1.36E-11(1.8 2.8)	2680	1.54E-11(1.8 7.0)
2700	1.49E-11(1.8 6.1)	2730	1.55E-11(1.8 6.5)
2750	1.44E-11(1.8 9.6)	2780	1.36E-11(1.7 9.1)
2800	1.47E-11(1.6 3.9)	2830	1.69E-11(1.6 7.8)
2850	1.74E-11(1.5 2.0)	2880	1.87E-11(1.5 2.4)
2900	2.10E-11(1.5 17.5)	2930	2.11E-11(1.3 9.1)
2950	2.15E-11(1.3 6.8)	2980	2.41E-11(1.2 15.8)
3000	2.44E-11(1.2 16.6)	3030	2.48E-11(1.2 18.7)
3060	2.43E-11(1.2 16.9)	3100	2.52E-11(1.1 18.9)
3100	2.62E-11(1.0 11.7)	3140	2.70E-11(1.0 19.9)
3200	2.66E-11(1.0 18.7)	3240	2.79E-11(0.9 17.2)
3300	3.02E-11(0.9 24.1)	3360	2.95E-11(0.9 19.6)
3400	2.93E-11(0.9 13.3)	3440	2.82E-11(0.9 9.4)
3500	2.77E-11(0.9 12.6)	3540	2.63E-11(0.9 13.8)
3600	2.58E-11(0.9 13.0)	3640	2.64E-11(0.9 16.4)
3700	2.67E-11(0.8 22.3)	3740	2.68E-11(0.7 25.2)
3800	2.64E-11(0.7 20.8)	3840	2.71E-11(0.6 22.5)
3900	2.94E-11(0.6 31.6)	3920	3.01E-11(0.5 34.0)
4000	3.11E-11(0.5 35.6)	4040	3.24E-11(0.5 33.6)
4100	3.33E-11(0.4 37.0)	4120	3.33E-11(0.4 38.7)
4140	3.33E-11(0.4 40.1)	4160	3.30E-11(0.4 38.5)
4180	3.26E-11(0.4 33.7)	4200	3.18E-11(0.4 34.7)
135	0.00(0.0 0.0)	139	0.00(0.0 0.0)
166	0.00(0.0 0.0)	172	0.00(0.0 0.0)
219	6.38(1.0 11.4)	245	6.64(1.7 4.0)
148	0.00(0.0 0.0)	181	0.00(0.0 0.0)
154	0.00(0.0 0.0)	192	0.00(0.0 0.0)
161	0.00(0.0 0.0)	280	5.78(1.6 4.9)
166	6.16(4.4 0.0)	360	5.30(8.19 0.0)
204	6.16(4.4 0.0)		
0	0.00(0.0 0.0)		

X,Y(MM) -7.1 14.7 SL3-219 5 SCANS, T= 270: 83 TAU

WT .3, SCALE 1.07

X,Y(MM) -7.1 14.7 SL3-217 19 SCANS, T= 224: 83 TAU

WT .9, SCALE .92

X,Y(MM) -7.1 14.7 SL3-218 15 SCANS, T= 80: 83 TAU

WT .9, SCALE 1.19

R = &lt;0.93&gt;

HD 28879

HD 28879

HD 28879

LAMBDA	F	(WT, SIG)	F = AVE FLUX	FROM LAM-DEL/2 TO LAM+DEL/2			
1950, 0.	(0.0 0.0)	1955, 0.	(0.0 0.0)	1960, 0.	(0.0 0.0)	1965, 3.89E-12( .3 .0)	1970, 5.55E-12( .3 .0)
1975, 5.09E-12( .2 .0)		1980, 4.72E-12( .3 .0)		1985, 5.97E-12( .3 .0)		1990, 5.81E-12( .3 .0)	1995, 4.90E-12( .3 .0)
2000, 5.18E-12( .3 .0)		2005, 6.23E-12( .3 .0)		2010, 6.51E-12( .3 .0)		2015, 6.22E-12( .3 .0)	2020, 5.73E-12( .3 .0)
2025, 5.27E-12( .3 .0)		2030, 5.76E-12( .3 .0)		2035, 6.12E-12( .3 .0)		2040, 5.65E-12( .3 .0)	2045, 5.13E-12( .3 .0)
2050, 5.78E-12( .3 .0)		2055, 6.53E-12( .3 .0)		2060, 6.69E-12( .3 .0)		2065, 6.73E-12( .3 .0)	2070, 6.69E-12( .3 .0)
2075, 6.80E-12( .3 .0)		2080, 7.17E-12( .3 .0)		2085, 7.14E-12( .3 .0)		2090, 7.24E-12( .3 .0)	2095, 7.23E-12( .3 .0)
2100, 6.81E-12( .3 .0)		2105, 6.10E-12( .3 .0)		2110, 5.66E-12( .3 .0)		2115, 5.75E-12( .3 .3)	2120, 6.01E-12( .4 .3)
2125, 6.10E-12( .4 .3)		2130, 5.83E-12( .4 .7)		2135, 5.49E-12( .4 .8)		2140, 5.20E-12( .4 .6)	2145, 5.26E-12( .4 .8)
2150, 5.45E-12( .4 .9)		2155, 5.44E-12( .4 .9)		2160, 4.96E-12( .4 .3)		2165, 4.33E-12( .4 .7)	2170, 4.27E-12( .4 .12)
2175, 4.44E-12( .4 .15)		2180, 4.46E-12( .4 .8)		2185, 4.78E-12( .5 .4)		2190, 5.06E-12( .5 .6)	2195, 4.99E-12( .6 .3)
2200, 4.98E-12( .6 .1)		2205, 5.41E-12( .6 .1)		2210, 5.80E-12( .7 .3)		2215, 5.85E-12( .7 .6)	2220, 5.91E-12( .8 .1)
2225, 5.93E-12( .8 .9)		2230, 5.73E-12( .9 .5)		2235, 5.82E-12( .9 .4)		2240, 6.40E-12( .10 .1)	2245, 6.59E-12( .12 .9)
2250, 5.92E-12( .9 .8)		2255, 5.28E-12( .8 .1)		2260, 5.27E-12( .8 .1)		2265, 5.65E-12( .9 .5)	2270, 6.06E-12( .10 .1)
2275, 6.08E-12( .11 .4)		2280, 5.73E-12( .10 .8)		2285, 5.24E-12( .9 .4)		2290, 4.86E-12( .8 .3)	2295, 4.69E-12( .8 .7)
2300, 4.59E-12( .7 .15)		2305, 4.44E-12( .6 .22)		2310, 4.29E-12( .7 .19)		2315, 4.41E-12( .7 .9)	0.0
2330, 4.61E-12( .7 .15)		2335, 4.82E-12( .10 .3)		2340, 4.81E-12( .8 .2)		2345, 4.95E-12( .9 .1)	2350, 4.72E-12( .9 .2)
2400, 3.58E-12( .6 .27)		2405, 3.64E-12( .6 .24)		2410, 3.73E-12( .7 .20)		2415, 3.63E-12( .7 .3)	2420, 3.81E-12( .9 .5)
2450, 4.33E-12( .1 .9)		2455, 4.79E-12( .1 .2)		2460, 4.43E-12( .1 .2)		2465, 3.51E-12( .9 .18)	2470, 3.11E-12( .8 .30)
2500, 3.45E-12( .9 .18)		2505, 3.91E-12( .1 .2)		2510, 3.82E-12( .1 .0)		2515, 3.81E-12( .1 .0)	2520, 3.88E-12( .1 .0)
2550, 3.66E-12( .10 .26)		2555, 3.76E-12( .1 .20)		2560, 4.59E-12( .1 .2)		2565, 5.41E-12( .1 .2)	2570, 5.72E-12( .1 .2)
2600, 5.77E-12( .1 .2)		2605, 5.73E-12( .1 .2)		2610, 5.83E-12( .1 .2)		2615, 6.11E-12( .1 .2)	2620, 6.27E-12( .1 .2)
2650, 6.33E-12( .1 .3)		2655, 6.50E-12( .1 .1)		2660, 6.68E-12( .1 .1)		2665, 6.88E-12( .1 .1)	2670, 6.87E-12( .1 .1)
2700, 6.75E-12( .1 .1)		2705, 6.46E-12( .1 .1)		2710, 6.19E-12( .1 .1)		2715, 6.05E-12( .1 .1)	2720, 6.01E-12( .1 .1)
2750, 6.04E-12( .1 .1)		2755, 6.04E-12( .1 .1)		2760, 6.04E-12( .1 .1)		2765, 5.80E-12( .1 .1)	2770, 5.64E-12( .1 .1)
2800, 5.76E-12( .1 .1)		2805, 6.18E-12( .1 .1)		2810, 6.67E-12( .1 .1)		2815, 6.96E-12( .1 .1)	2820, 7.06E-12( .1 .1)
2850, 7.07E-12( .1 .1)		2855, 7.14E-12( .1 .1)		2860, 7.30E-12( .1 .1)		2865, 7.42E-12( .1 .1)	2870, 7.51E-12( .1 .1)
2900, 7.47E-12( .1 .1)		2905, 7.57E-12( .1 .1)		2910, 7.79E-12( .1 .1)		2915, 8.21E-12( .1 .1)	2920, 8.63E-12( .1 .1)
2950, 8.93E-12( .1 .1)		2955, 9.11E-12( .1 .1)		2960, 9.19E-12( .1 .1)		2965, 9.25E-12( .1 .1)	2970, 9.32E-12( .1 .1)
3000, 9.33E-12( .1 .1)		3005, 9.27E-12( .1 .1)		3010, 9.23E-12( .1 .1)		3015, 9.19E-12( .1 .1)	0.0
3030, 9.33E-12( .1 .1)		3035, 9.23E-12( .1 .1)		3040, 9.06E-12( .1 .1)		3045, 8.92E-12( .1 .1)	3050, 9.07E-12( .1 .1)
3100, 9.40E-12( .1 .1)		3105, 9.68E-12( .1 .1)		3110, 9.86E-12( .1 .1)		3115, 1.00E-11( .1 .1)	3120, 1.01E-11( .1 .1)
3200, 1.01E-11( .1 .1)		3205, 1.01E-11( .1 .1)		3210, 1.01E-11( .1 .1)		3215, 1.05E-11( .1 .1)	3220, 1.09E-11( .1 .1)
3300, 1.10E-11( .1 .1)		3305, 1.11E-11( .1 .1)		3310, 1.11E-11( .1 .1)		3315, 1.08E-11( .1 .1)	3320, 1.03E-11( .1 .1)
3400, 9.84E-12( .1 .1)		3405, 9.34E-12( .1 .1)		3410, 8.96E-12( .1 .1)		3415, 8.80E-12( .1 .1)	3420, 8.78E-12( .1 .1)
3500, 8.80E-12( .1 .1)		3505, 8.54E-12( .1 .1)		3510, 8.23E-12( .1 .1)		3515, 8.05E-12( .1 .1)	3520, 8.04E-12( .1 .1)
3600, 7.93E-12( .1 .1)		3605, 7.75E-12( .1 .1)		3610, 7.66E-12( .1 .1)		3615, 7.77E-12( .1 .1)	3620, 7.96E-12( .1 .1)
3700, 8.28E-12( .1 .1)		3705, 8.77E-12( .1 .1)		3710, 9.29E-12( .1 .1)		3715, 9.89E-12( .1 .1)	3720, 1.03E-11( .1 .1)
3800, 1.06E-11( .1 .1)		3805, 1.14E-11( .1 .1)		3810, 1.26E-11( .1 .1)		3815, 1.44E-11( .1 .1)	3820, 1.61E-11( .1 .1)
3900, 1.77E-11( .1 .1)		3905, 1.92E-11( .1 .1)		3910, 1.99E-11( .1 .1)		3915, 1.89E-11( .1 .1)	3920, 1.86E-11( .1 .1)
4000E 1.86E-11( .1 .1)		4005E 1.87E-11( .1 .1)		4010E 1.95E-11( .1 .1)		4015E 2.15E-11( .1 .1)	4020E 2.34E-11( .1 .1)
4100E 2.53E-11( .1 .1)		4105E 2.69E-11( .1 .1)		4110E 2.85E-11( .1 .1)		4115E 2.91E-11( .1 .1)	4120E 2.85E-11( .1 .1)
135, 0.00(0.0 0.0)		139, 0.00(0.0 0.0)		148, 0.00(0.0 0.0)		154, 0.00(0.0 0.0)	161, 0.00(0.0 0.0)
166, 0.00(0.0 0.0)		172, 0.00(0.0 0.0)		181, 0.00(0.0 0.0)		192, 0.00(0.0 0.0)	204, 6.93( .3 .0)
219, 7.06( .6 .0)		245, 7.35( .9 .4)		280, 6.75( .1 .2)		360E 6.42( .6 .0)	0.0

X,Y(MM) -9.1 -8.9 SL3-217 19 SCANS, T= 224 HD 28879 WT .9, SCALE .94  
X,Y(MM) -9.1 -8.9 SL3-219 4 SCANS, T= 270: HD 28879 WT .3, SCALE 1.10

R = &lt;0.93&gt;

HD 28910

RHO TAU

HD 28910

LAMBDA, F (WT, SIG) F = AVE FLUX FROM LAM-DEL/2 TO LAM+DEL/2

1925, 0.00(0.0 0.0)	1930U, 1.32E-11(1.3 0.0)	1935, 1.57E-11(1.4 0.0)	1940, 1.66E-11(1.5 0.0)	1945, 1.44E-11(1.5 0.0)
1950U, 1.37E-11(1.5 0.0)	1955, 1.48E-11(1.5 0.0)	1960, 1.37E-11(1.5 0.0)	1965, 1.50E-11(1.6 0.0)	1970U, 1.71E-11(1.6 1.9)
1975U, 1.51E-11(1.6 0.9)	1980U, 1.23E-11(1.6 2.3)	1985U, 1.30E-11(1.7 0.8)	1990, 1.60E-11(1.9 0.3)	1995U, 1.50E-11(1.7 5.1)
2000U, 1.36E-11(1.7 3.2)	2005, 1.39E-11(1.7 2.9)	2010, 1.55E-11(1.9 2.3)	2015, 1.92E-11(1.0 1.9)	2020, 1.88E-11(1.0 3.9)
2025, 1.64E-11(1.9 12.0)	2030, 1.72E-11(1.1 16.4)	2035, 1.92E-11(1.1 13.5)	2040, 1.98E-11(1.1 7.0)	2045, 1.98E-11(1.2 6.7)
2050, 2.14E-11(1.2 8.0)	2055, 2.26E-11(1.3 7.8)	2060, 2.23E-11(1.3 10.4)	2065, 2.24E-11(1.4 7.4)	2070, 2.18E-11(1.4 1.5)
2075, 2.18E-11(1.4 8.8)	2080, 2.32E-11(1.5 8.8)	2085, 2.45E-11(1.6 1.8)	2090, 2.49E-11(1.7 5.5)	2095, 2.45E-11(1.7 2.6)
2100, 2.33E-11(1.7 5.5)	2105, 2.26E-11(1.7 4.5)	2110, 2.27E-11(1.7 2.5)	2115, 2.25E-11(1.7 3.0)	2120, 2.21E-11(1.7 4.0)
2125, 2.24E-11(1.7 2.5)	2130, 2.25E-11(1.7 7.7)	2135, 2.22E-11(1.7 8.8)	2140, 2.21E-11(1.7 3.8)	2145, 2.24E-11(1.7 6.2)
2150, 2.31E-11(1.7 5.1)	2155, 2.30E-11(1.7 3.3)	2160, 2.28E-11(1.7 1.9)	2165, 2.27E-11(1.7 2.3)	2170, 2.24E-11(1.7 4.4)
2175, 2.22E-11(1.7 5.3)	2180, 2.24E-11(1.7 4.6)	2185, 2.23E-11(1.7 4.7)	2190, 2.20E-11(1.7 5.6)	2195, 2.22E-11(1.7 7.2)
2200, 2.25E-11(1.7 7.5)	2205, 2.20E-11(1.7 7.1)	2210, 2.13E-11(1.7 4.4)	2215, 2.09E-11(1.7 1.2)	2220, 2.09E-11(1.7 7.7)
2225, 2.10E-11(1.7 6.6)	2230, 2.08E-11(1.7 1.1)	2235, 2.03E-11(1.7 5.5)	2240, 1.97E-11(1.7 1.8)	2245, 1.92E-11(1.7 2.5)
2250, 1.89E-11(1.7 1.3)	2255, 1.87E-11(1.7 1.1)	2260, 1.86E-11(1.7 9.9)	2265, 1.89E-11(1.7 1.3)	2270, 1.92E-11(1.7 1.1)
2275, 1.94E-11(1.7 5.0)	2280, 1.93E-11(1.7 8.7)	2285, 1.91E-11(1.7 9.4)	2290, 1.87E-11(1.7 9.1)	2295, 1.83E-11(1.7 8.2)
2300, 1.79E-11(1.7 5.2)	2305, 1.77E-11(1.7 2.3)	2310, 1.76E-11(1.7 8.8)	2315, 1.72E-11(1.7 1.5)	0.0 (0.0 0.0)
2330, 1.79E-11(1.7 5.4)	2330, 1.76E-11(1.7 8.8)	2330, 1.67E-11(1.7 2.6)	2330, 1.61E-11(1.7 1.1)	2340, 1.58E-11(1.7 2.5)
2350, 1.55E-11(1.7 2.5)	2360, 1.53E-11(1.7 5.7)	2370, 1.49E-11(1.7 4.8)	2380, 1.42E-11(1.7 2.2)	2390, 1.41E-11(1.7 3.1)
2400, 1.41E-11(1.7 4.7)	2410, 1.48E-11(1.6 3.1)	2420, 1.57E-11(1.6 9.9)	2430, 1.62E-11(1.6 9.9)	2440, 1.65E-11(1.6 8.8)
2450, 1.66E-11(1.5 2.1)	2460, 1.69E-11(1.5 4.9)	2470, 1.74E-11(1.4 6.6)	2480, 1.78E-11(1.4 2.6)	2490, 1.81E-11(1.4 1.1)
2500, 1.81E-11(1.4 9.9)	2510, 1.81E-11(1.3 2.0)	2520, 1.82E-11(1.3 5.5)	2530, 1.83E-11(1.3 7.5)	2540, 1.80E-11(1.3 6.6)
2550, 1.76E-11(1.2 3.8)	2560, 1.77E-11(1.2 5.5)	2570, 1.85E-11(1.1 2.0)	2580, 1.94E-11(1.1 2.1)	2590, 1.98E-11(1.1 1.3)
2600, 2.00E-11(1.1 6.6)	2610, 2.02E-11(1.0 1.7)	2620, 2.07E-11(1.0 4.5)	2630, 2.19E-11(1.0 7.3)	2640, 2.34E-11(1.0 9.8)
2650, 2.43E-11(1.0 8.0)	2660, 2.46E-11(1.0 6.9)	2670, 2.48E-11(1.0 5.2)	2680, 2.51E-11(1.0 2.8)	2690, 2.55E-11(1.0 9.0)
2700, 2.59E-11(1.0 9.0)	2710, 2.62E-11(1.0 9.0)	2720, 2.63E-11(1.0 9.0)	2730, 2.64E-11(1.0 9.0)	2740, 2.67E-11(1.0 9.0)
2750, 2.69E-11(1.0 9.0)	2760, 2.68E-11(1.0 9.0)	2770, 2.70E-11(1.0 9.0)	2780, 2.75E-11(1.0 9.0)	2790, 2.81E-11(1.0 9.0)
2800, 2.79E-11(1.0 9.0)	2810, 2.77E-11(1.0 9.0)	2820, 2.79E-11(1.0 9.0)	2830, 2.79E-11(1.0 9.0)	2840, 2.76E-11(1.0 9.0)
2850, 2.73E-11(1.0 9.0)	2860, 2.73E-11(1.0 9.0)	2870, 2.79E-11(1.0 9.0)	2880, 2.87E-11(1.0 9.0)	2890, 2.93E-11(1.0 9.0)
2900, 2.96E-11(1.0 9.0)	2910, 2.98E-11(1.0 9.0)	2920, 2.99E-11(1.0 9.0)	2930, 3.01E-11(1.0 8.0)	2940, 3.03E-11(1.0 8.0)
2950, 3.05E-11(1.0 8.0)	2960, 3.04E-11(1.0 8.0)	2970, 3.01E-11(1.0 8.0)	2980, 2.98E-11(1.0 8.0)	2990, 2.97E-11(1.0 8.0)
3000, 2.98E-11(1.0 8.0)	3010, 3.01E-11(1.0 8.0)	3020, 3.02E-11(1.0 8.0)	3030, 3.04E-11(1.0 8.0)	0.0 (0.0 0.0)
3000, 2.98E-11(1.0 8.0)	3020, 3.02E-11(1.0 8.0)	3040, 3.08E-11(1.0 7.0)	3060, 3.16E-11(1.0 7.0)	3080, 3.18E-11(1.0 7.0)
3100, 3.20E-11(1.0 8.0)	3120, 3.29E-11(1.0 7.0)	3140, 3.35E-11(1.0 7.0)	3160, 3.31E-11(1.0 7.0)	3180, 3.34E-11(1.0 7.0)
3200, 3.42E-11(1.0 6.0)	3220, 3.40E-11(1.0 6.0)	3240, 3.32E-11(1.0 6.0)	3260, 3.26E-11(1.0 6.0)	3280, 3.27E-11(1.0 6.0)
3300, 3.35E-11(1.0 6.0)	3320, 3.41E-11(1.0 6.0)	3340, 3.44E-11(1.0 6.0)	3360, 3.46E-11(1.0 6.0)	3380, 3.45E-11(1.0 6.0)
3400, 3.40E-11(1.0 6.0)	3420, 3.37E-11(1.0 6.0)	3440, 3.44E-11(1.0 6.0)	3460, 3.58E-11(1.0 6.0)	3480, 3.68E-11(1.0 6.0)
3500, 3.67E-11(1.0 6.0)	3520, 3.55E-11(1.0 6.0)	3540, 3.36E-11(1.0 6.0)	3560, 3.23E-11(1.0 6.0)	3580, 3.15E-11(1.0 6.0)
3600, 3.13E-11(1.0 6.0)	3620, 3.12E-11(1.0 6.0)	3640, 3.11E-11(1.0 6.0)	3660, 3.05E-11(1.0 6.0)	3680, 2.98E-11(1.0 6.0)
3700, 2.96E-11(1.0 6.0)	3720, 2.99E-11(1.0 6.0)	3740, 3.08E-11(1.0 6.0)	3760, 3.20E-11(1.0 6.0)	3780, 3.30E-11(1.0 6.0)
3800, 3.36E-11(1.0 6.0)	3820, 3.41E-11(1.0 6.0)	3840, 3.51E-11(1.0 6.0)	3860, 3.62E-11(1.0 6.0)	3880, 3.72E-11(1.0 6.0)
3900, 3.87E-11(1.0 6.0)	3920, 4.01E-11(1.0 6.0)	3940, 4.10E-11(1.0 6.0)	3960, 4.20E-11(1.0 6.0)	3980, 4.31E-11(1.0 6.0)
4000, 4.38E-11(1.0 5.0)	4020, 4.40E-11(1.0 5.0)	4040, 4.41E-11(1.0 6.0)	4060, 4.43E-11(1.0 6.0)	4080, 4.40E-11(1.0 6.0)
4100, 4.38E-11(1.0 6.0)	4120, 4.37E-11(1.0 6.0)	4140, 4.37E-11(1.0 6.0)	4160, 4.37E-11(1.0 6.0)	4180, 4.37E-11(1.0 6.0)
135, 0.00(0.0 0.0)	139, 0.00(0.0 0.0)	148, 0.00(0.0 0.0)	154, 0.00(0.0 0.0)	161, 0.00(0.0 0.0)
166, 0.00(0.0 0.0)	172, 0.00(0.0 0.0)	181, 0.00(0.0 0.0)	192, 0.00(0.0 0.0)	204, 5.68(1.2 4.4)
219, 5.59(1.7 1.6)	245, 5.83(1.5 1.1)	280, 5.31(1.9 0.0)	360, 5.09(1.6 0.0)	0.0 (0.0 0.0)

X, Y (MM) -4.2 2.9 SL3-217 19 SCANS, T= 224 RHO TAU WT .9, SCALE 1.80

X, Y (MM) -4.2 2.9 SL3-218 15 SCANS, T= 80: RHO TAU WT .9, SCALE 1.12

R = (1.04)

LAMBDA	F	(WT, SIG)	F = AVE FLUX	FROM LAM-DEL/2 TO LAM+DEL/2	LAM-DEL/2	LAM+DEL/2
1780, 0.	(0.0 0.0)		1782, 0.	(0.0 0.0)	1784, 0.	(0.0 0.0)
1790, 1.91E-11(0.3 0.0)		1792, 2.09E-11(0.3 0.0)	1794, 2.06E-11(0.3 0.0)	1796, 1.93E-11(0.3 0.0)	1798, 1.62E-11(0.3 0.0)	
1800, 1.37E-11(0.3 0.0)		1802, 1.46E-11(0.3 0.0)	1804, 1.82E-11(0.3 0.0)	1806, 2.04E-11(0.3 0.0)	1808, 1.95E-11(0.3 0.0)	
1810, 1.87E-11(0.3 0.0)		1812, 1.95E-11(0.3 0.0)	1814, 2.18E-11(0.3 0.0)	1816, 2.41E-11(0.3 0.0)	1818, 2.51E-11(0.3 0.0)	
1820, 2.49E-11(0.3 0.0)		1822, 2.40E-11(0.3 0.0)	1824, 2.32E-11(0.3 0.0)	1826, 2.23E-11(0.3 0.0)	0, 0.	(0.0 0.0)
1800, 1.45E-11(0.3 0.0)		1805, 1.91E-11(0.3 0.0)	1810, 1.91E-11(0.3 0.0)	1815, 2.29E-11(0.3 0.0)	1820, 2.48E-11(0.3 0.0)	
1825, 2.28E-11(0.3 0.0)		1830, 2.16E-11(0.3 0.0)	1835, 2.02E-11(0.3 0.0)	1840, 1.85E-11(0.3 0.0)	1845, 1.75E-11(0.3 0.0)	
1850, 1.78E-11(0.3 0.0)		1855, 1.98E-11(0.3 4.4)	1860, 2.01E-11(0.4 6.4)	1865, 1.81E-11(0.4 6.8)	1870, 1.84E-11(0.4 8.5)	
1875, 1.98E-11(0.4 15.7)		1880, 2.14E-11(0.4 13.7)	1885, 2.13E-11(0.5 2.4)	1890, 2.24E-11(0.5 2.8)	1895, 2.20E-11(0.5 5.8)	
1900, 1.99E-11(0.6 3.8)		1905, 1.90E-11(0.6 3.7)	1910, 2.05E-11(0.6 3.9)	1915, 2.00E-11(0.7 7.7)	1920, 2.01E-11(0.7 3.9)	
1925, 1.95E-11(0.7 4.4)		1930, 1.89E-11(0.7 9.7)	1935, 1.68E-11(0.6 11.6)	1940, 1.53E-11(0.6 35.2)	1945, 1.81E-11(0.5 31.8)	
1950, 1.82E-11(0.6 29.4)		1955, 1.72E-11(0.7 29.7)	1960, 1.90E-11(0.9 25.0)	1965, 2.09E-11(1.2 12.8)	1970, 2.23E-11(1.2 7.0)	
1975, 2.13E-11(1.3 10.7)		1980, 1.84E-11(1.3 15.0)	1985, 1.88E-11(1.3 14.2)	1990, 1.95E-11(1.4 15.2)	1995, 1.93E-11(1.4 15.5)	
2000, 1.87E-11(1.4 21.2)		2005, 1.70E-11(1.4 26.5)	2010, 1.74E-11(1.4 17.0)	2015, 1.87E-11(1.4 11.4)	2020, 1.82E-11(1.4 11.0)	
2025, 1.88E-11(1.4 8.0)		2030, 1.86E-11(1.5 9.7)	2035, 1.84E-11(1.5 6.0)	2040, 1.99E-11(1.5 2.2)	2045, 2.13E-11(1.6 10.0)	
2050, 2.17E-11(1.6 9.6)		2055, 2.08E-11(1.6 3.9)	2060, 2.10E-11(1.6 3.5)	2065, 2.19E-11(1.7 1.6)	2070, 2.21E-11(1.7 4.1)	
2075, 2.20E-11(1.8 4.3)		2080, 2.29E-11(1.8 1.1)	2085, 2.41E-11(1.9 1.5)	2090, 2.44E-11(2.0 2.8)	2095, 2.36E-11(2.0 4.8)	
2100, 2.25E-11(1.9 6.0)		2105, 2.19E-11(1.9 4.7)	2110, 2.17E-11(1.9 2.2)	2115, 2.12E-11(2.0 1.3)	2120, 2.09E-11(1.9 3.9)	
2125, 2.09E-11(2.0 6.1)		2130, 2.06E-11(2.0 6.2)	2135, 2.02E-11(1.9 7.3)	2140, 1.95E-11(1.9 10.2)	2145, 1.86E-11(1.8 11.8)	
2150, 1.81E-11(1.8 13.7)		2155, 1.80E-11(1.8 12.3)	2160, 1.85E-11(1.9 7.4)	2165, 1.95E-11(2.0 4.0)	2170, 2.03E-11(2.0 2.7)	
2175, 2.09E-11(2.0 2.2)		2180, 2.11E-11(1.9 4.7)	2185, 2.06E-11(1.9 8.8)	2190, 1.99E-11(1.9 11.8)	2195, 1.95E-11(1.9 11.0)	
2200, 1.94E-11(1.9 8.0)		2205, 1.94E-11(1.9 5.5)	2210, 1.96E-11(1.9 1.8)	2215, 1.94E-11(1.9 2.0)	2220, 1.90E-11(1.9 3.0)	
2225, 1.87E-11(1.9 1.3)		2230, 1.87E-11(1.9 3.3)	2235, 1.86E-11(1.9 2.0)	2240, 1.84E-11(1.9 3.1)	2245, 1.80E-11(1.9 3.6)	
2250, 1.74E-11(1.9 2.2)		2255, 1.71E-11(1.9 2.0)	2260, 1.73E-11(1.9 2.3)	2265, 1.73E-11(1.9 3.9)	2270, 1.69E-11(1.9 5.1)	
2275, 1.68E-11(1.9 5.2)		2280, 1.70E-11(1.9 4.8)	2285, 1.71E-11(1.9 3.5)	2290, 1.68E-11(1.9 1.5)	2295, 1.63E-11(1.9 1.0)	
2300, 1.58E-11(1.9 3.0)		2305, 1.56E-11(1.9 4.0)	2310, 1.57E-11(1.9 3.6)	2315, 1.59E-11(1.9 3.7)	0, 0.	(0.0 0.0)
2300, 1.58E-11(1.9 2.7)		2310, 1.57E-11(1.9 3.5)	2320, 1.59E-11(1.9 5.5)	2330, 1.50E-11(1.9 9.6)	2340, 1.45E-11(1.9 9.2)	
2350, 1.44E-11(1.9 9.9)		2360, 1.42E-11(1.9 11.7)	2370, 1.39E-11(1.9 7.8)	2380, 1.37E-11(1.9 5.6)	2390, 1.37E-11(1.9 8.6)	
2400, 1.37E-11(1.9 10.0)		2410, 1.35E-11(1.8 12.2)	2420, 1.40E-11(1.8 11.0)	2430, 1.48E-11(1.8 7.7)	2440, 1.48E-11(1.8 5.8)	
2450, 1.45E-11(1.7 2.0)		2460, 1.49E-11(1.7 8.8)	2470, 1.51E-11(1.7 2.2)	2480, 1.52E-11(1.7 4.5)	2490, 1.58E-11(1.7 5.1)	
2500, 1.58E-11(1.7 1.7)		2510, 1.54E-11(1.7 3.3)	2520, 1.50E-11(1.7 5.8)	2530, 1.51E-11(1.7 9.8)	2540, 1.55E-11(1.7 13.3)	
2550, 1.58E-11(1.7 13.4)		2560, 1.60E-11(1.7 10.4)	2570, 1.61E-11(1.6 7.2)	2580, 1.65E-11(1.6 4.3)	2590, 1.71E-11(1.6 3.1)	
2600, 1.74E-11(1.6 2.8)		2610, 1.75E-11(1.6 4.9)	2620, 1.79E-11(1.5 5.9)	2630, 1.84E-11(1.5 5.3)	2640, 1.91E-11(1.5 6.3)	
2650, 2.00E-11(1.5 7.7)		2660, 2.06E-11(1.4 9.9)	2670, 2.06E-11(1.4 11.7)	2680, 2.02E-11(1.4 11.4)	2690, 2.03E-11(1.4 9.4)	
2700, 2.09E-11(1.4 10.8)		2710, 2.17E-11(1.4 12.3)	2720, 2.20E-11(1.4 10.9)	2730, 2.19E-11(1.4 7.8)	2740, 2.18E-11(1.4 5.2)	
2750, 2.20E-11(1.4 4.5)		2760, 2.20E-11(1.4 4.3)	2770, 2.17E-11(1.4 4.5)	2780, 2.10E-11(1.4 5.8)	2790, 2.06E-11(1.4 7.4)	
2800, 2.04E-11(1.4 8.2)		2810, 2.07E-11(1.3 7.3)	2820, 2.11E-11(1.3 5.6)	2830, 2.13E-11(1.3 4.3)	2840, 2.15E-11(1.3 4.5)	
2850, 2.14E-11(1.3 3.8)		2860, 2.17E-11(1.3 2.0)	2870, 2.21E-11(1.3 6.6)	2880, 2.26E-11(1.2 1.8)	2890, 2.31E-11(1.2 2.2)	
2900, 2.37E-11(1.2 1.5)		2910, 2.44E-11(1.2 1.1)	2920, 2.53E-11(1.2 3.0)	2930, 2.63E-11(1.2 5.8)	2940, 2.69E-11(1.2 7.3)	
2950, 2.73E-11(1.1 6.4)		2960, 2.74E-11(1.1 4.7)	2970, 2.72E-11(1.1 2.1)	2980, 2.70E-11(1.2 8.8)	2990, 2.68E-11(1.2 1.3)	
3000, 2.66E-11(1.2 1.8)		3010, 2.67E-11(1.1 5.5)	3020, 2.69E-11(1.1 5.5)	3030, 2.70E-11(1.1 2.5)	0, 0.	(0.0 0.0)
3000, 2.68E-11(1.1 1.8)		3020, 2.69E-11(1.1 8.8)	3040, 2.72E-11(1.1 4.3)	3060, 2.67E-11(1.1 6.1)	3080, 2.62E-11(1.1 2.6)	
3100, 2.62E-11(1.1 4.4)		3120, 2.64E-11(1.0 2.3)	3140, 2.70E-11(1.0 2.8)	3160, 2.75E-11(1.0 1.3)	3180, 2.79E-11(1.0 6.6)	
3200, 2.80E-11(0.9 3.3)		3220, 2.83E-11(0.9 1.2)	3240, 2.84E-11(0.9 1.1)	3260, 2.81E-11(0.9 1.5)	3280, 2.81E-11(0.9 1.3)	
3300, 2.82E-11(0.9 2.2)		3320, 2.83E-11(0.9 3.3)	3340, 2.85E-11(0.9 2.0)	3360, 2.86E-11(0.9 4.6)	3380, 2.83E-11(0.9 7.3)	
3400, 2.77E-11(0.8 6.9)		3420, 2.75E-11(0.8 6.6)	3440, 2.70E-11(0.8 6.8)	3460, 2.69E-11(0.8 6.5)	3480, 2.68E-11(0.8 7.1)	
3500, 2.69E-11(0.8 9.0)		3520, 2.72E-11(0.8 9.8)	3540, 2.75E-11(0.8 10.3)	3560, 2.73E-11(0.8 8.4)	3580, 2.65E-11(0.8 6.7)	
3600, 2.49E-11(0.9 4.5)		3620, 2.37E-11(0.9 2.1)	3640, 2.27E-11(0.9 1.1)	3660, 2.26E-11(0.9 1.6)	3680, 2.26E-11(0.9 3.4)	
3700, 2.30E-11(0.9 2.7)		3720, 2.34E-11(0.9 3.3)	3740, 2.37E-11(0.9 2.3)	3760, 2.42E-11(0.9 6.4)	3780, 2.48E-11(0.8 9.4)	
3800E 2.54E-11(0.8 11.6)		3820E 2.65E-11(0.8 13.2)	3840E 2.73E-11(0.8 13.3)	3860E 2.82E-11(0.8 13.9)	3880E 2.90E-11(0.8 13.4)	
3900E 2.98E-11(0.8 14.7)		3920E 3.04E-11(0.8 16.2)	3940E 3.13E-11(0.8 17.1)	3960E 3.22E-11(0.7 19.6)	3980E 3.30E-11(0.7 19.3)	
4000E 3.40E-11(0.7 19.5)		4020E 3.50E-11(0.7 18.9)	4040E 3.58E-11(0.7 17.7)	4060E 3.71E-11(0.7 16.0)	4080E 3.85E-11(0.7 16.0)	
4100E 3.95E-11(0.7 15.8)		4120E 4.09E-11(0.7 15.5)	4140E 4.22E-11(0.7 17.8)	4160E 4.32E-11(0.8 18.3)	4180E 4.44E-11(0.8 18.5)	
135, 0.00(0.0 0.0)		139, 0.00(0.0 0.0)	148, 0.00(0.0 0.0)	154, 0.00(0.0 0.0)	161, 0.00(0.0 0.0)	
166, 0.00(0.0 0.0)		172, 0.00(0.0 0.0)	181, 0.00(0.0 0.0)	192, 5.67(0.7 11.3)	204, 5.62(1.6 7.2)	
219, 5.70(1.9 3.4)		245, 5.96(1.8 5.5)	280, 5.51(1.3 3.5)	360, 5.35(0.9 7.6)	0, 0.00(0.0 0.0)	

X,Y(MM) 3.1 -8.7 SL3-219 4 SCANS, T= 270: SIG-1 TAU WT .3, SCALE 1.12

X,Y(MM) 3.1 -8.7 SL3-217 19 SCANS, T= 224 SIG-1 TAU WT .9, SCALE .76

X,Y(MM) 3.1 -8.7 SL3-218 15 SCANS, T= 80: SIG-1 TAU WT .9, SCALE 1.14

R = (1.01)



R = 0.85

HD 32068

ZET AUR

HD 32068

LAMBDA, F (WT, SIG)	F = AVE FLUX FROM LAM-DEL/2 TO LAM+DEL/2		
1730U 1.19E-10(.4 0.0)	1732 1.37E-10(.4 0.0)	1734 1.46E-10(.5 0.0)	1736U 1.32E-10(.5 0.0)
1740 1.38E-10(.5 0.0)	1742U 1.36E-10(.5 0.0)	1744 1.29E-10(.4 0.0)	1746U 1.09E-10(.4 0.0)
1750U 1.05E-10(.4 0.0)	1752 1.28E-10(.5 0.0)	1754 1.28E-10(.6 0.0)	1756 1.20E-10(.5 0.0)
1760U 9.09E-11(.4 0.0)	1762 9.85E-11(.4 0.0)	1764 1.15E-10(.5 0.0)	1766 1.22E-10(.6 0.0)
1770 1.26E-10(.6 0.0)	1772 1.12E-10(.6 0.0)	1774U 9.92E-11(.5 0.0)	1776U 1.03E-10(.5 0.0)
1780 1.19E-10(.6 0.0)	1782 1.11E-10(.6 0.0)	1784 1.04E-10(.6 0.0)	1786 1.03E-10(.6 0.0)
1790 1.15E-10(.7 0.0)	1792 1.18E-10(.8 0.0)	1794 1.21E-10(.8 0.0)	1796 1.22E-10(.9 0.0)
1800 1.21E-10(.9 0.0)	1802 1.30E-10(.9 0.0)	1804 1.39E-10(1.0 0.0)	1806 1.39E-10(1.0 0.0)
1810 1.23E-10(1.0 0.0)	1812 1.20E-10(.9 0.0)	1814 1.21E-10(1.0 0.0)	1816 1.21E-10(1.0 0.0)
1820 1.03E-10(.8 0.0)	1822 1.02E-10(.8 0.0)	1824 1.05E-10(.8 0.0)	1826 1.04E-10(.9 0.0)
1800 1.23E-10(1.0 0.0)	1805 1.38E-10(1.0 0.0)	1810 1.24E-10(1.0 0.0)	1815 1.20E-10(1.0 0.0)
1825 1.04E-10(.8 0.0)	1830 9.58E-11(.8 0.0)	1835 8.98E-11(.9 0.0)	1840 1.01E-10(1.0 0.0)
1850 8.93E-11(.9 0.0)	1855 8.88E-11(.9 0.0)	1860 9.23E-11(1.0 0.0)	1865 9.78E-11(1.0 0.0)
1875 9.14E-11(1.0 0.0)	1880 8.58E-11(1.0 0.0)	1885 7.85E-11(1.0 0.0)	1890 8.27E-11(1.0 0.0)
1900 7.66E-11(1.0 0.0)	1905 6.88E-11(1.0 0.0)	1910 7.51E-11(1.0 0.0)	1915 7.84E-11(1.0 0.0)
1925 7.33E-11(1.0 0.0)	1930 7.44E-11(1.0 0.0)	1935 7.34E-11(1.0 0.0)	1940 7.32E-11(1.0 0.0)
1950 6.88E-11(1.0 0.0)	1955 6.79E-11(1.0 0.0)	1960 6.31E-11(1.0 0.0)	1965 5.92E-11(1.0 0.0)
1975 6.28E-11(1.0 0.0)	1980 6.41E-11(1.0 0.0)	1985 6.60E-11(1.0 0.0)	1990 6.14E-11(1.0 0.0)
2000 6.39E-11(1.0 0.0)	2005 6.41E-11(1.0 0.0)	2010 6.32E-11(1.0 0.0)	2015 6.50E-11(1.0 0.0)
2025 6.31E-11(1.0 0.0)	2030 5.95E-11(1.0 0.0)	2035 5.83E-11(1.0 0.0)	2040 5.86E-11(1.0 0.0)
2050 5.15E-11(1.0 0.0)	2055 4.91E-11(1.0 0.0)	2060 4.89E-11(1.0 0.0)	2065 5.19E-11(1.0 0.0)
2075 5.20E-11(1.0 0.0)	2080 4.95E-11(1.0 0.0)	2085 4.78E-11(1.0 0.0)	2090 4.79E-11(1.0 0.0)
2100 4.33E-11(1.0 0.0)	2105 4.51E-11(1.0 0.0)	2110 4.69E-11(1.0 0.0)	2115 4.60E-11(1.0 0.0)
2125 4.56E-11(1.0 0.0)	2130 4.42E-11(1.0 0.0)	2135 4.25E-11(1.0 0.0)	2140 3.91E-11(1.0 0.0)
2150 3.78E-11(1.0 0.0)	2155 3.85E-11(1.0 0.0)	2160 3.75E-11(1.0 0.0)	2165 3.58E-11(1.0 0.0)
2175 3.49E-11(1.0 0.0)	2180 3.41E-11(1.0 0.0)	2185 3.32E-11(1.0 0.0)	2190 3.22E-11(1.0 0.0)
2200 3.16E-11(1.0 0.0)	2205 3.16E-11(1.0 0.0)	2210 3.26E-11(1.0 0.0)	2215 3.37E-11(1.0 0.0)
2225 3.31E-11(1.0 0.0)	2230 3.34E-11(1.0 0.0)	2235 3.41E-11(1.0 0.0)	2240 3.31E-11(1.0 0.0)
2250 3.12E-11(1.0 0.0)	2255 3.28E-11(1.0 0.0)	2260 3.45E-11(1.0 0.0)	2265 3.49E-11(1.0 0.0)
2275 3.36E-11(1.0 0.0)	2280 3.26E-11(1.0 0.0)	2285 3.15E-11(1.0 0.0)	2290 3.09E-11(1.0 0.0)
2300 3.17E-11(1.0 0.0)	2305 3.11E-11(1.0 0.0)	2310 2.95E-11(1.0 0.0)	2315 2.83E-11(1.0 0.0)
2300 3.16E-11(1.0 0.0)	2310 2.96E-11(1.0 0.0)	2320 2.82E-11(1.0 0.0)	2330 2.87E-11(1.0 0.0)
2350 2.85E-11(.9 0.0)	2360 2.95E-11(.9 0.0)	2370 2.82E-11(.9 0.0)	2380 2.73E-11(.9 0.0)
2400 2.95E-11(.9 0.0)	2410 3.01E-11(.9 0.0)	2420 2.91E-11(.9 0.0)	2430 2.82E-11(.9 0.0)
2450 2.98E-11(.9 0.0)	2460 2.92E-11(.9 0.0)	2470 2.86E-11(.8 0.0)	2480 2.88E-11(.8 0.0)
2500 3.00E-11(.8 0.0)	2510 3.09E-11(.8 0.0)	2520 3.14E-11(.8 0.0)	2530 3.18E-11(.8 0.0)
2550 3.02E-11(.8 0.0)	2560 2.94E-11(.8 0.0)	2570 3.04E-11(.8 0.0)	2580 3.15E-11(.7 0.0)
2600 3.17E-11(.7 0.0)	2610 3.17E-11(.7 0.0)	2620 3.14E-11(.7 0.0)	2630 3.15E-11(.7 0.0)
2650 3.15E-11(.7 0.0)	2660 3.22E-11(.7 0.0)	2670 3.23E-11(.7 0.0)	2680 3.13E-11(.7 0.0)
2700 3.10E-11(.7 0.0)	2710 3.17E-11(.7 0.0)	2720 3.25E-11(.7 0.0)	2730 3.31E-11(.7 0.0)
2750 3.30E-11(.6 0.0)	2760 3.40E-11(.6 0.0)	2770 3.52E-11(.6 0.0)	2780 3.53E-11(.6 0.0)
2800 3.34E-11(.6 0.0)	2810 3.31E-11(.6 0.0)	2820 3.32E-11(.6 0.0)	2830 3.32E-11(.6 0.0)
2850 3.34E-11(.6 0.0)	2860 3.42E-11(.6 0.0)	2870 3.50E-11(.6 0.0)	2880 3.55E-11(.6 0.0)
2900 3.65E-11(.6 0.0)	2910 3.76E-11(.5 0.0)	2920 3.89E-11(.5 0.0)	2930 4.00E-11(.5 0.0)
2950 4.06E-11(.5 0.0)	2960 4.02E-11(.5 0.0)	2970 4.00E-11(.5 0.0)	2980 4.03E-11(.5 0.0)
3000E 4.20E-11(.5 0.0)	3010E 4.26E-11(.5 0.0)	3020E 4.29E-11(.5 0.0)	3030E 4.26E-11(.5 0.0)
3000E 4.20E-11(.5 0.0)	3020E 4.28E-11(.5 0.0)	3040E 4.17E-11(.5 0.0)	3060E 4.00E-11(.5 0.0)
3100E 4.09E-11(.4 0.0)	3120E 4.20E-11(.4 0.0)	3140E 4.18E-11(.4 0.0)	3160E 4.37E-11(.4 0.0)
3200E 4.57E-11(.4 0.0)	3220E 4.34E-11(.4 0.0)	3240E 4.13E-11(.4 0.0)	3260E 4.09E-11(.4 0.0)
3300E 4.34E-11(.4 0.0)	3320E 4.22E-11(.4 0.0)	3340E 3.98E-11(.4 0.0)	3360E 3.78E-11(.4 0.0)
3400E 3.79E-11(.4 0.0)	3420E 3.77E-11(.4 0.0)	3440E 3.63E-11(.4 0.0)	3460E 3.53E-11(.4 0.0)
3500E 3.72E-11(.4 0.0)	3520E 3.87E-11(.4 0.0)	3540E 3.91E-11(.4 0.0)	3560E 3.89E-11(.4 0.0)
3600E 3.69E-11(.4 0.0)	3620E 3.61E-11(.4 0.0)	3640E 3.58E-11(.4 0.0)	3660E 3.57E-11(.4 0.0)
3700E 3.63E-11(.4 0.0)	3720E 3.74E-11(.4 0.0)	3740E 3.97E-11(.4 0.0)	3760E 4.20E-11(.3 0.0)
3800E 4.41E-11(.3 0.0)	3820E 4.33E-11(.3 0.0)	3840E 4.18E-11(.4 0.0)	3860E 4.01E-11(.4 0.0)
3900E 3.72E-11(.4 0.0)	3920E 3.59E-11(.4 0.0)	3940E 3.48E-11(.4 0.0)	3960E 3.41E-11(.4 0.0)
4000E 3.30E-11(.5 0.0)	4020E 3.24E-11(.5 0.0)	4040 3.17E-11(.5 0.0)	4060 3.06E-11(.5 0.0)
4100 2.79E-11(.6 0.0)	4120 2.66E-11(.6 0.0)	4140 2.56E-11(.6 0.0)	4160 2.47E-11(.6 0.0)
135 0.00(0.0 0.0)	139 0.00(0.0 0.0)	148 0.00(0.0 0.0)	154 0.00(0.0 0.0)
166 0.00(0.0 0.0)	172 0.00(0.0 0.0)	181 3.80(.9 0.0)	192 4.23(1.0 0.0)
219 5.01(1.0 0.0)	245 5.22(.8 0.0)	280 5.03(.6 0.0)	360E 4.92(.4 0.0)

X,Y(MM) -6.7 10.3 SL3-243 20 SCANS, T= 225 ZET AUR WT 1.0, SCALE 1.00

R = &lt;1.00&gt;

$R = 0.91$



HD 32630

ETA AUR

HD 32630

LAMBDA	F	(WT)	SIG	F = AVE FLUX	FROM LAM-DEL/2 TO LAM+DEL/2
1320	0.00E+00	0.0	0.0	1322	0.00E+00
1330	3.43E-09	3	0.0	1330	3.14E-09
1340	4.07E-09	4	0.0	1340	3.87E-09
1350	3.89E-09	5	0.0	1352	4.02E-09
1360	4.14E-09	6	0.0	1362	3.89E-09
1370	3.57E-09	6	0.0	1372	3.87E-09
1380	3.70E-09	7	0.0	1382	3.61E-09
1390	3.02E-09	6	0.0	1392	3.12E-09
1400	3.02E-09	6	0.0	1402	2.53E-09
1410	2.81E-09	7	0.0	1412	2.65E-09
1420	3.25E-09	10	0.0	1422	2.58E-09
1430	3.14E-09	10	0.0	1432	3.12E-09
1440	2.65E-09	10	0.0	1442	2.76E-09
1450	3.32E-09	10	0.0	1452	3.11E-09
1460	2.97E-09	10	0.0	1462	2.77E-09
1470	2.76E-09	10	0.0	1472	2.55E-09
1480	2.49E-09	10	0.0	1482	2.44E-09
1490	2.62E-09	10	0.0	1492	1.55E-09
1500	2.30E-09	10	0.0	1502	2.29E-09
1510	2.41E-09	10	0.0	1512	2.32E-09
1520	2.43E-09	10	0.0	1522	2.26E-09
1530	2.22E-09	10	0.0	1532	2.19E-09
1540	2.02E-09	10	0.0	1542	2.06E-09
1550	2.02E-09	10	0.0	1552	2.02E-09
1560	2.05E-09	10	0.0	1562	1.94E-09
1570	1.99E-09	10	0.0	1572	1.93E-09
1580	2.08E-09	9	0.0	1582	2.05E-09
1590	1.92E-09	9	0.0	1592	1.87E-09
1600	1.87E-09	9	0.0	1602	1.85E-09
1610	1.94E-09	9	0.0	1612	2.02E-09
1620	1.93E-09	9	0.0	1622	1.98E-09
1630	1.85E-09	8	0.0	1632	1.85E-09
1640	1.87E-09	8	0.0	1642	1.96E-09
1650	1.92E-09	8	0.0	1652	2.01E-09
1660	1.95E-09	7	0.0	1662	2.02E-09
1670	2.06E-09	7	0.0	1672	2.15E-09
1680	2.37E-09	6	0.0	1682	2.30E-09
1690	2.18E-09	7	0.0	1692	1.99E-09
1700	2.02E-09	6	0.0	1702	2.07E-09
1710	2.13E-09	6	0.0	1712	2.19E-09
1720	2.05E-09	6	0.0	1722	2.01E-09
1730	2.16E-09	5	0.0	1732	2.20E-09
1740	2.40E-09	5	0.0	1742	2.29E-09
1750	1.99E-09	5	0.0	1752	1.97E-09
1760	2.01E-09	5	0.0	1762	2.04E-09
1770	2.01E-09	4	0.0	1772	2.03E-09
1780	1.85E-09	5	0.0	1782	1.78E-09
1790	2.13E-09	4	0.0	1792	2.21E-09
1800	2.05E-09	4	0.0	1802	1.98E-09
1810	2.05E-09	4	0.0	1812	2.07E-09
1820	2.04E-09	4	0.0	1822	2.00E-09
1830	2.07E-09	4	0.0	1832	1.97E-09
1840	1.98E-09	4	0.0	1842	1.97E-09
1850	1.90E-09	3	0.0	1852	1.91E-09
1860	1.67E-09	3	0.0	1862	1.67E-09
1870	1.54E-09	3	0.0	1872	1.53E-09
1880	1.54E-09	3	0.0	1882	1.54E-09
1890	1.43E-09	3	0.0	1892	1.33E-09
1900	1.20E-09	3	0.0	1902	1.27E-09
1910	1.27E-09	2	0.0	1912	1.28E-09
1920	1.27E-09	2	0.0	1922	1.28E-09
1930	1.39E-09	2	0.0	1932	1.25E-09
1940	1.02E-09	2	0.0	1942	1.10E-09
1950	1.22E-09	1	0.0	1952	1.01E-09
1960	1.24E-09	1	0.0	1962	1.21E-09
1970	1.01E-09	1	0.0	1972	1.01E-09
1980	1.01E-09	1	0.0	1982	1.01E-09
1990	1.01E-09	1	0.0	1992	1.01E-09
2000	1.01E-09	1	0.0	2002	1.01E-09
2010	1.01E-09	1	0.0	2012	1.01E-09
2020	1.01E-09	1	0.0	2022	1.01E-09
2030	1.01E-09	1	0.0	2032	1.01E-09
2040	1.01E-09	1	0.0	2042	1.01E-09
2050	1.01E-09	1	0.0	2052	1.01E-09
2060	1.01E-09	1	0.0	2062	1.01E-09
2070	1.01E-09	1	0.0	2072	1.01E-09
2080	1.01E-09	1	0.0	2082	1.01E-09
2090	1.01E-09	1	0.0	2092	1.01E-09
2100	1.01E-09	1	0.0	2102	1.01E-09
2110	1.01E-09	1	0.0	2112	1.01E-09
2120	1.01E-09	1	0.0	2122	1.01E-09
2130	1.01E-09	1	0.0	2132	1.01E-09
2140	1.01E-09	1	0.0	2142	1.01E-09
2150	1.01E-09	1	0.0	2152	1.01E-09
2160	1.01E-09	1	0.0	2162	1.01E-09
2170	1.01E-09	1	0.0	2172	1.01E-09
2180	1.01E-09	1	0.0	2182	1.01E-09
2190	1.01E-09	1	0.0	2192	1.01E-09
2200	1.01E-09	1	0.0	2202	1.01E-09
2210	1.01E-09	1	0.0	2212	1.01E-09
2220	1.01E-09	1	0.0	2222	1.01E-09
2230	1.01E-09	1	0.0	2232	1.01E-09
2240	1.01E-09	1	0.0	2242	1.01E-09
2250	1.01E-09	1	0.0	2252	1.01E-09
2260	1.01E-09	1	0.0	2262	1.01E-09
2270	1.01E-09	1	0.0	2272	1.01E-09
2280	1.01E-09	1	0.0	2282	1.01E-09
2290	1.01E-09	1	0.0	2292	1.01E-09
2300	1.01E-09	1	0.0	2302	1.01E-09
2310	1.01E-09	1	0.0	2312	1.01E-09
2320	1.01E-09	1	0.0	2322	1.01E-09
2330	1.01E-09	1	0.0	2332	1.01E-09
2340	1.01E-09	1	0.0	2342	1.01E-09
2350	1.01E-09	1	0.0	2352	1.01E-09
2360	1.01E-09	1	0.0	2362	1.01E-09
2370	1.01E-09	1	0.0	2372	1.01E-09
2380	1.01E-09	1	0.0	2382	1.01E-09
2390	1.01E-09	1	0.0	2392	1.01E-09
2400	1.01E-09	1	0.0	2402	1.01E-09
2410	1.01E-09	1	0.0	2412	1.01E-09
2420	1.01E-09	1	0.0	2422	1.01E-09
2430	1.01E-09	1	0.0	2432	1.01E-09
2440	1.01E-09	1	0.0	2442	1.01E-09
2450	1.01E-09	1	0.0	2452	1.01E-09
2460	1.01E-09	1	0.0	2462	1.01E-09
2470	1.01E-09	1	0.0	2472	1.01E-09
2480	1.01E-09	1	0.0	2482	1.01E-09
2490	1.01E-09	1	0.0	2492	1.01E-09
2500	1.01E-09	1	0.0	2502	1.01E-09
2510	1.01E-09	1	0.0	2512	1.01E-09
2520	1.01E-09	1	0.0	2522	1.01E-09
2530	1.01E-09	1	0.0	2532	1.01E-09
2540	1.01E-09	1	0.0	2542	1.01E-09
2550	1.01E-09	1	0.0	2552	1.01E-09
2560	1.01E-09	1	0.0	2562	1.01E-09
2570	1.01E-09	1	0.0	2572	1.01E-09
2580	1.01E-09	1	0.0	2582	1.01E-09
2590	1.01E-09	1	0.0	2592	1.01E-09
2600	1.01E-09	1	0.0	2602	1.01E-09
2610	1.01E-09	1	0.0	2612	1.01E-09
2620	1.01E-09	1	0.0	2622	1.01E-09
2630	1.01E-09	1	0.0	2632	1.01E-09
2640	1.01E-09	1	0.0	2642	1.01E-09
2650	1.01E-09	1	0.0	2652	1.01E-09
2660	1.01E-09	1	0.0	2662	1.01E-09
2670	1.01E-09	1	0.0	2672	1.01E-09
2680	1.01E-09	1	0.0	2682	1.01E-09
2690	1.01E-09	1	0.0	2692	1.01E-09
2700	1.01E-09	1	0.0	2702	1.01E-09
2710	1.01E-09	1	0.0	2712	1.01E-09
2720	1.01E-09	1	0.0	2722	1.01E-09
2730	1.01E-09	1	0.0	2732	1.01E-09
2740	1.01E-09	1	0.0	2742	1.01E-09
2750	1.01E-09	1	0.0	2752	1.01E-09
2760	1.01E-09	1	0.0	2762	1.01E-09
2770	1.01E-09	1	0.0	2772	1.01E-09
2780	1.01E-09	1	0.0	2782	1.01E-09
2790	1.01E-09	1	0.0	2792	1.01E-09
2800	1.01E-09	1	0.0	2802	1.01E-09
2810	1.01E-09	1	0.0	2812	1.01E-09
2820	1.01E-09	1	0.0	2822	1.01E-09
2830	1.01E-09	1	0.0	2832	1.01E-09
2840	1.01E-09	1	0.0	2842	1.01E-09
2850	1.01E-09	1	0.0	2852	1.01E-09
2860	1.01E-09	1	0.0	2862	1.01E-09
2870	1.01E-09	1	0.0	2872	1.01E-09
2880	1.01E-09	1	0.0	2882	1.01E-09
2890	1.01E-09	1	0.0	2892	1.01E-09
2900	1.01E-09	1	0.0	2902	1.01E-09
2910	1.01E-09	1	0.0	2912	1.01E-09
2920	1.01E-09	1	0.0	2922	1.01E-09
2930	1.01E-09	1	0.0	2932	1.01E-09
2940	1.01E-09	1	0.0	2942	1.01E-09
2950	1.01E-09	1	0.0	2952	1.01E-09
2960	1.01E-09	1	0.0	2962	1.01E-09
2970	1.01E-09	1	0.0	2972	1.01E-09
2980	1.01E-09	1	0.0	2982	1.01E-09
2990	1.01E-09	1	0.0	2992	1.01E-09
3000	1.01E-09	1	0.0	3002	1.01E-09

X,Y(MM) 0.0 8.7 SL3-243 19 SCANS T= 225 ETA AUR WT 1.0 SCALE 1.00

R = 1.20

[illegible]

X, Y (MM)	-4.9	-8.9	SL3-241	15	SCANS, T= 221	66	ERI	WT	.9, SCALE	.91
X, Y (MM)	-4.9	-9.4	SL3-242	14	SCANS, T= 81	66	ERI	WT	.9, SCALE	1.11

R = 1.12



LAMBDA, O. F. (W. T. STG.)				F = AVE FLUX FROM LAM-DEL/2 TO LAM-DEL/2				LAMBDA, O. F. (W. T. STG.)				F = AVE FLUX FROM LAM-DEL/2 TO LAM-DEL/2							
(0.0 0.0)				(0.0 0.0)				(0.0 0.0)				(0.0 0.0)							
1430.0	1.49E-09	3	0	1432.0	1.28E-09	2	0	1434.0	1.16E-09	2	0	1436.0	1.35E-09	2	0	1438.0	1.47E-09	3	0
1440.0	1.49E-09	3	0	1442.0	1.28E-09	2	0	1444.0	1.16E-09	2	0	1446.0	1.35E-09	2	0	1448.0	1.47E-09	3	0
1450.0	1.49E-09	3	0	1452.0	1.28E-09	2	0	1454.0	1.16E-09	2	0	1456.0	1.35E-09	2	0	1458.0	1.47E-09	3	0
1460.0	1.17E-09	3	0	1462.0	1.27E-09	3	0	1464.0	1.33E-09	3	0	1466.0	1.49E-09	4	0	1468.0	1.72E-09	5	0
1470.0	1.80E-09	6	0	1472.0	1.87E-09	7	0	1474.0	1.66E-09	6	0	1476.0	1.44E-09	5	0	1478.0	1.19E-09	4	0
1480.0	1.15E-09	4	0	1482.0	1.53E-09	4	0	1484.0	1.34E-09	5	0	1486.0	1.24E-09	5	0	1488.0	1.32E-09	5	0
1490.0	1.34E-09	5	0	1492.0	1.16E-09	5	0	1494.0	1.32E-09	5	0	1496.0	1.39E-09	5	0	1498.0	1.20E-09	6	0
1500.0	1.69E-09	6	0	1502.0	1.36E-09	7	0	1504.0	1.25E-09	7	0	1506.0	1.44E-09	7	0	1508.0	1.47E-09	8	0
1510.0	1.24E-09	6	0	1512.0	1.27E-09	6	0	1514.0	1.40E-09	7	0	1516.0	1.26E-09	6	0	1518.0	1.35E-09	6	0
1520.0	1.18E-09	6	0	1522.0	1.33E-09	7	0	1524.0	1.31E-09	7	1	1526.0	1.14E-09	7	3	1528.0	1.18E-09	7	5
1530.0	1.22E-09	7	1	1532.0	1.27E-09	7	7	1534.0	1.10E-09	6	2	1536.0	1.01E-09	6	3	1538.0	1.06E-09	6	1
1540.0	1.03E-09	6	3	1542.0	9.80E-10	6	3	1544.0	9.20E-10	6	3	1546.0	9.99E-10	8	7	1548.0	1.05E-09	7	3
1550.0	1.11E-09	8	2	1552.0	1.18E-09	9	2	1554.0	1.23E-09	9	2	1556.0	1.35E-09	9	4	1558.0	1.29E-09	10	8
1560.0	1.27E-09	10	10	1562.0	1.29E-09	10	2	1564.0	1.17E-09	10	3	1566.0	1.15E-09	10	2	1568.0	1.29E-09	10	3
1570.0	1.42E-09	11	5	1572.0	1.38E-09	11	3	1574.0	1.20E-09	11	6	1576.0	1.31E-09	11	9	1578.0	1.30E-09	11	9
1580.0	1.28E-09	10	5	1582.0	1.36E-09	10	3	1584.0	1.25E-09	11	8	1586.0	1.15E-09	10	8	1588.0	1.27E-09	11	6
1590.0	1.48E-09	11	3	1592.0	1.43E-09	11	3	1594.0	1.25E-09	11	8	1596.0	1.26E-09	10	5	1598.0	1.27E-09	11	6
1600.0	1.29E-09	11	1	1602.0	1.35E-09	11	6	1604.0	1.28E-09	11	4	1606.0	1.25E-09	11	5	1608.0	1.30E-09	11	6
1610.0	1.28E-09	12	9	1612.0	1.31E-09	12	1	1614.0	1.38E-09	12	6	1616.0	1.42E-09	12	12	1618.0	1.45E-09	12	12
1620.0	1.40E-09	13	11	1622.0	1.29E-09	13	14	1624.0	1.27E-09	12	9	1626.0	1.32E-09	12	7	1628.0	1.34E-09	13	9
1630.0	1.41E-09	13	9	1632.0	1.46E-09	14	9	1634.0	1.37E-09	13	6	1636.0	1.31E-09	12	2	1638.0	1.34E-09	12	1
1640.0																			

**R = 0.89**



X, Y (MM)	-5.8	.4	SL4- 88	16	SCANS, T= 76	HR 1704	WT .6, SCALE 1.04
X, Y (MM)	-5.8	.4	SL4- 89	17	SCANS, T= 27	HR 1704	WT .7, SCALE .95

 $R = 0.62$

HD 34029

ALF AUR

HD 34029

LAMBDA, F (WT, SIG) F = AVE FLUX FROM LAM-DEL/2 TO LAM+DEL/2

1975U	1.09E-11	(.2 0.0)	1980U	4.37E-11	(.2 0.0)	1985U	6.09E-11	(.3 8.0)	1990	6.99E-11	(.3 28.1)	1995	7.83E-11	(.3 49.4)
2000	7.68E-11	(.3 72.2)	2005U	6.94E-11	(.2 83.3)	2010U	6.39E-11	(.2 55.4)	2015	8.23E-11	(.3 54.5)	2020U	8.93E-11	(.3 69.6)
2025U	8.99E-11	(.5 64.6)	2030	1.08E-10	(.8 48.5)	2035	1.47E-10	(.8 37.6)	2040	1.56E-10	(.8 33.8)	2045	1.39E-10	(.8 35.9)
2050	1.37E-10	(.9 37.2)	2055	1.43E-10	(.9 28.0)	2060	1.58E-10	(.9 20.6)	2065	1.84E-10	(.9 20.1)	2070	2.05E-10	(.9 16.6)
2075	2.04E-10	(.9 10.3)	2080	1.92E-10	(1.0 6.9)	2085	1.74E-10	(1.0 1.6)	2090	1.76E-10	(1.0 8.7)	2095	2.02E-10	(1.0 8.1)
2100	2.16E-10	(1.0 10.2)	2105	2.17E-10	(1.0 11.2)	2110	2.29E-10	(1.0 4.7)	2115	2.40E-10	(1.0 .3)	2120	2.30E-10	(1.0 6.0)
2125	2.18E-10	(1.0 14.8)	2130	2.24E-10	(.9 17.4)	2135	2.35E-10	(.9 17.9)	2140	2.41E-10	(.9 20.7)	2145	2.47E-10	(.9 17.7)
2150	2.59E-10	(.9 10.9)	2155	2.59E-10	(.9 8.1)	2160	2.51E-10	(.9 6.8)	2165	2.39E-10	(.9 8.6)	2170	2.39E-10	(.8 12.6)
2175	2.55E-10	(.8 14.6)	2180	2.84E-10	(.8 11.9)	2185	2.98E-10	(.8 10.8)	2190	2.87E-10	(.8 9.9)	2195	2.83E-10	(.7 8.5)
2200	2.99E-10	(.7 5.7)	2205	3.14E-10	(.7 5.2)	2210	3.27E-10	(.7 4.9)	2215E	3.47E-10	(.6 2.5)	2220E	3.51E-10	(.6 .3)
2225E	3.32E-10	(.6 .8)	2230	3.16E-10	(.6 .3)	2235E	3.05E-10	(.6 1.2)	2240	3.03E-10	(.6 7.7)	2245	2.99E-10	(.6 14.1)
2250E	2.99E-10	(.6 17.3)	2255E	3.05E-10	(.6 14.8)	2260E	3.01E-10	(.6 11.3)	2265E	2.89E-10	(.6 8.8)	2270E	2.78E-10	(.6 9.0)
2275E	2.76E-10	(.6 8.4)	2280E	2.75E-10	(.6 6.4)	2285E	2.68E-10	(.6 2.0)	2290E	2.65E-10	(.6 1.9)	2295E	2.70E-10	(.6 5.9)
2300E	2.82E-10	(.6 8.3)	2305E	2.90E-10	(.6 8.7)	2310E	2.92E-10	(.6 7.4)	2315E	2.94E-10	(.6 6.8)	0	0	(0.0 0.0)
2300E	2.84E-10	(.6 7.3)	2310E	2.94E-10	(.6 6.9)	2320E	3.14E-10	(.5 3.9)	2330E	3.33E-10	(.5 3.5)	2340E	3.35E-10	(.5 5.0)
2350E	3.33E-10	(.5 10.8)	2360E	3.16E-10	(.5 11.9)	2370E	3.28E-10	(.5 13.4)	2380E	3.28E-10	(.5 8.9)	2390E	3.24E-10	(.4 8.5)
2400E	3.42E-10	(.4 12.7)	2410E	3.51E-10	(.4 6.0)	2420E	3.42E-10	(.4 7.0)	2430E	3.68E-10	(.3 13.8)	2440E	3.98E-10	(.3 14.8)
2450E	4.32E-10	(.3 9.2)	2460E	4.44E-10	(.2 2.1)	2470E	4.07E-10	(.2 .4)	2480E	3.89E-10	(.2 1.9)	2490E	3.82E-10	(.2 3.0)
2500E	3.68E-10	(.2 .6)	2510E	3.98E-10	(.2 6.4)	2520E	4.39E-10	(.1 16.5)	2530E	4.42E-10	(.1 16.7)	2540E	4.19E-10	(.1 12.1)
2550E	4.30E-10	(.1 14.5)	2560E	4.96E-10	(.1 14.6)	2570E	7.04E-10	(.1 7.1)	2580E	8.92E-10	(.1 5.1)	2590E	9.05E-10	(.1 1.9)
2600E	8.81E-10	(.1 1.0)	2610E	8.46E-10	(.1 2.7)	2620E	8.31E-10	(.1 3.2)	2630E	8.76E-10	(.1 6.9)	2640E	1.03E-09	(.1 0.0)
135	0.00(0.0 0.0)		139	0.00(0.0 0.0)		148	0.00(0.0 0.0)		154	0.00(0.0 0.0)		161	0.00(0.0 0.0)	
166	0.00(0.0 0.0)		172	0.00(0.0 0.0)		181	0.00(0.0 0.0)		192	0.00(0.0 0.0)		204	3.56(.7 0.0)	
219	2.79(.8 7.6)		245E	2.29(.3 32.6)		280	0.00(0.0 0.0)		360	0.00(0.0 0.0)		0	0.00(0.0 0.0)	

X,Y(MM) -13.4 12.3 SL4- 1 22 SCANS, T= 265 ALF AUR WT .6, SCALE 1.29

X,Y(MM) -13.4 12.3 SL4- 2 24 SCANS, T= 78 ALF AUR WT .7, SCALE .83

R = 0.19

LAMBDA	F	( WT, SIG)	F = AVE FLUX	FROM LAM-DEL/2	TO LAM+DEL/2
1300U	5.36E-09	( 3 4.0)	1312U	8.18E-09	( 3 9.4)
1320U	8.17E-09	( 3 3.0)	1322U	8.38E-09	( 3 35.0)
1330U	4.72E-09	( 2 1.7)	1332U	3.91E-09	( 1 5.2)
1340U	8.51E-09	( 6 4.5)	1342U	7.47E-09	( 6 17.4)
1350U	5.73E-09	( 5 12.5)	1352U	5.77E-09	( 5 4.6)
1360U	5.83E-09	( 7 24.0)	1362U	4.85E-09	( 6 15.0)
1370U	5.29E-09	( 8 10.4)	1372U	5.04E-09	( 9 8.1)
1380U	5.29E-09	( 10 23.5)	1382U	4.47E-09	( 10 20.2)
1390U	5.40E-09	( 13 15.5)	1392U	4.91E-09	( 11 1.1)
1400U	4.89E-09	( 1 6.5)	1402U	5.23E-09	( 1 5.2)
1410U	5.37E-09	( 3 9.7)	1412U	4.96E-09	( 12 3.0)
1420U	4.64E-09	( 3 3.3)	1422U	5.06E-09	( 13 4.7)
1430U	6.20E-09	( 4 4.2)	1432U	5.76E-09	( 14 2.5)
1440U	5.74E-09	( 4 2.1)	1442U	6.13E-09	( 13 3.1)
1450U	5.33E-09	( 1 2.5)	1452U	6.65E-09	( 12 2.6)
1460U	6.90E-09	( 3 6.7)	1462U	6.39E-09	( 12 2.1)
1470U	5.80E-09	( 1 1.7)	1472U	6.08E-09	( 1 2.1)
1480U	5.93E-09	( 12 3.5)	1482U	5.81E-09	( 12 6.0)
1490U	6.38E-09	( 12 3.5)	1492U	6.19E-09	( 12 8.0)
1500U	5.38E-09	( 1 2.6)	1502U	5.89E-09	( 1 2.1)
1510U	5.55E-09	( 1 5.9)	1512U	5.62E-09	( 12 8.7)
1520U	6.66E-09	( 1 1.9)	1522U	6.48E-09	( 1 3.4)
1530U	6.49E-09	( 1 1.1)	1532U	5.67E-09	( 1 1.7)
1540U	5.44E-09	( 1 4.2)	1542U	5.64E-09	( 1 5.1)
1550U	5.79E-09	( 1 6.3)	1552U	5.92E-09	( 1 5.1)
1560U	5.35E-09	( 1 4.1)	1562U	5.15E-09	( 1 2.6)
1570U	5.31E-09	( 10 2.4)	1572U	5.39E-09	( 10 1.9)
1580U	6.24E-09	( 1 6.9)	1582U	5.85E-09	( 1 2.2)
1590U	5.90E-09	( 1 0.1)	1592U	5.95E-09	( 1 0.6)
1600U	7.85E-09	( 9 2.1)	1602U	6.65E-09	( 9 1.5)
1610U	5.80E-09	( 9 2.1)	1612U	5.72E-09	( 9 3.1)
1620U	5.44E-09	( 9 9.5)	1622U	5.72E-09	( 9 5.1)
1630U	5.75E-09	( 9 5.1)	1632U	5.56E-09	( 9 5.1)
1640U	6.33E-09	( 8 5.3)	1642U	6.20E-09	( 8 6.7)
1650U	6.49E-09	( 8 10.3)	1652U	6.75E-09	( 8 8.9)
1660U	6.57E-09	( 7 9.6)	1662U	6.70E-09	( 7 8.4)
1670U	6.93E-09	( 6 19.7)	1672U	6.78E-09	( 6 16.0)
1680U	6.75E-09	( 7 6.3)	1682U	6.34E-09	( 7 1.4)
1690U	6.40E-09	( 6 12.7)	1692U	6.58E-09	( 6 5.4)
1700U	6.60E-09	( 6 5.6)	1702U	6.58E-09	( 6 5.1)
1710U	6.18E-09	( 6 14.2)	1712U	6.12E-09	( 6 16.0)
1720U	5.04E-09	( 7 2.2)	1722U	5.09E-09	( 6 11.4)
1730U	5.45E-09	( 6 16.9)	1732U	5.55E-09	( 6 12.4)
1740U	5.39E-09	( 5 20.7)	1742U	5.73E-09	( 5 14.6)
1750U	5.83E-09	( 5 3.6)	1752U	5.83E-09	( 5 5.3)
1760U	5.83E-09	( 5 3.8)	1762U	6.34E-09	( 5 9.5)
1770U	5.10E-09	( 5 5.4)	1772U	4.93E-09	( 11 7.7)
1780U	5.88E-09	( 4 7.2)	1782U	5.73E-09	( 4 2.0)
1790U	4.73E-09	( 4 10.9)	1792U	4.76E-09	( 4 8.8)
1800U	5.29E-09	( 3 0.0)	1802U	5.20E-09	( 3 0.0)
1810U	6.22E-09	( 3 0.0)	1812U	5.92E-09	( 3 0.0)
1820U	5.45E-09	( 3 0.0)	1822U	5.52E-09	( 3 0.0)
1800E	5.34E-09	( 3 0.0)	1805E	5.85E-09	( 3 0.0)
1825E	5.78E-09	( 3 0.0)	1830E	5.86E-09	( 3 0.0)
1850E	4.81E-09	( 3 0.0)	1		

2 1 51





LAMBDA, F (WT, SIG)	F = AVE FLUX FROM LAM-DEL/2 TO LAM+DEL/2		
1370U 7.83E-09(.4 0.0)	1372U 7.07E-09(.4 0.0)	1374, 8.25E-09(.5 0.0)	1376, 7.96E-09(.5 0.0)
1380, 8.15E-09(.6 0.0)	1382, 7.59E-09(.6 0.0)	1384, 8.11E-09(.6 0.0)	1386, 8.00E-09(.6 0.0)
1390, 6.32E-09(.5 0.0)	1392U 4.69E-09(.5 0.0)	1394, 6.09E-09(.4 0.0)	1396U 5.86E-09(.4 0.0)
1400U 5.45E-09(.4 0.0)	1402U 5.58E-09(.5 0.0)	1404, 6.07E-09(.6 0.0)	1406, 6.46E-09(.6 0.0)
1410, 6.30E-09(.7 0.0)	1412, 6.60E-09(.7 0.0)	1414, 5.32E-09(.6 0.0)	1416, 5.21E-09(.6 0.0)
1420, 5.60E-09(.7 0.0)	1422, 5.63E-09(.7 0.0)	1424, 4.94E-09(.6 0.0)	1426U 3.64E-09(.5 0.0)
1430U 3.80E-09(.4 0.0)	1432U 3.42E-09(.4 0.0)	1434, 3.74E-09(.5 0.0)	1436, 4.17E-09(.6 0.0)
1440, 4.58E-09(.7 0.0)	1442, 4.70E-09(.8 0.0)	1444, 4.65E-09(.8 0.0)	1446, 4.14E-09(.8 0.0)
1450, 4.04E-09(.7 0.0)	1452, 4.12E-09(.7 0.0)	1454, 3.63E-09(.8 0.0)	1456, 4.00E-09(.7 0.0)
1460, 3.73E-09(.8 0.0)	1462, 3.86E-09(.9 0.0)	1464, 3.82E-09(.9 0.0)	1466, 4.20E-09(1.0 0.0)
1470, 4.45E-09(1.0 0.0)	1472, 4.17E-09(1.0 0.0)	1474, 4.52E-09(1.0 0.0)	1476, 4.48E-09(1.0 0.0)
1480, 4.32E-09(1.0 0.0)	1482, 4.46E-09(1.0 0.0)	1484, 4.73E-09(1.0 0.0)	1486, 4.95E-09(1.0 0.0)
1490, 4.97E-09(1.0 0.0)	1492, 4.71E-09(1.0 0.0)	1494, 4.41E-09(1.0 0.0)	1496, 4.47E-09(1.0 0.0)
1500, 4.27E-09(1.0 0.0)	1502, 4.33E-09(1.0 0.0)	1504, 4.22E-09(1.0 0.0)	1506, 4.29E-09(1.0 0.0)
1510, 4.12E-09(1.0 0.0)	1512, 3.95E-09(1.0 0.0)	1514, 3.94E-09(1.0 0.0)	1516, 4.14E-09(1.0 0.0)
1520, 4.33E-09(1.0 0.0)	1522, 4.19E-09(1.0 0.0)	1524, 4.15E-09(1.0 0.0)	1526, 4.05E-09(1.0 0.0)
1530, 3.52E-09(1.0 0.0)	1532, 3.50E-09(1.0 0.0)	1534, 3.42E-09(1.0 0.0)	1536, 3.44E-09(1.0 0.0)
1540, 3.42E-09(1.0 0.0)	1542, 3.25E-09(1.0 0.0)	1544, 2.90E-09(1.0 0.0)	1546, 2.66E-09(1.0 0.0)
1550, 2.48E-09(1.0 0.0)	1552, 2.59E-09(1.0 0.0)	1554, 2.74E-09(1.0 0.0)	1556, 2.73E-09(1.0 0.0)
1560, 2.99E-09(1.0 0.0)	1562, 2.93E-09(1.0 0.0)	1564, 2.86E-09(1.0 0.0)	1566, 2.87E-09(1.0 0.0)
1570, 2.88E-09(1.0 0.0)	1572, 2.77E-09(1.0 0.0)	1574, 2.91E-09(1.0 0.0)	1576, 2.99E-09(1.0 0.0)
1580, 3.92E-09(1.0 0.0)	1582, 3.75E-09(1.0 0.0)	1584, 3.25E-09(1.0 0.0)	1586, 3.30E-09(1.0 0.0)
1590, 3.16E-09(1.0 0.0)	1592, 3.13E-09(1.0 0.0)	1594, 2.95E-09(1.0 0.0)	1596, 2.88E-09(1.0 0.0)
1600, 2.75E-09(1.0 0.0)	1602, 2.71E-09(1.0 0.0)	1604, 2.80E-09(1.0 0.0)	1606, 2.75E-09(1.0 0.0)
1610, 2.80E-09(1.0 0.0)	1612, 2.70E-09(1.0 0.0)	1614, 2.63E-09(1.0 0.0)	1616, 2.65E-09(1.0 0.0)
1620, 2.80E-09(1.0 0.0)	1622, 2.66E-09(1.0 0.0)	1624, 2.66E-09(1.0 0.0)	1626, 2.71E-09(1.0 0.0)
1630, 2.77E-09(1.0 0.0)	1632, 2.94E-09(1.0 0.0)	1634, 3.00E-09(1.0 0.0)	1636, 3.08E-09(1.0 0.0)
1640, 2.90E-09(1.0 0.0)	1642, 2.94E-09(1.0 0.0)	1644, 2.89E-09(1.0 0.0)	1646, 2.92E-09(1.0 0.0)
1650, 2.92E-09(1.0 0.0)	1652, 2.75E-09(1.0 0.0)	1654, 2.77E-09(1.0 0.0)	1656, 2.84E-09(1.0 0.0)
1660, 2.81E-09(1.0 0.0)	1662, 2.75E-09(1.0 0.0)	1664, 2.77E-09(1.0 0.0)	1666, 2.84E-09(1.0 0.0)
1670, 2.86E-09(1.0 0.0)	1672, 2.86E-09(1.0 0.0)	1674, 2.78E-09(1.0 0.0)	1676, 2.64E-09(1.0 0.0)
1680, 2.74E-09(1.0 0.0)	1682, 2.70E-09(1.0 0.0)	1684, 2.69E-09(1.0 0.0)	1686, 2.68E-09(1.0 0.0)
1690, 2.68E-09(1.0 0.0)	1692, 2.70E-09(1.0 0.0)	1694, 2.64E-09(1.0 0.0)	1696, 2.63E-09(1.0 0.0)
1700, 2.58E-09(1.0 0.0)	1702, 2.51E-09(1.0 0.0)	1704, 2.52E-09(1.0 0.0)	1706, 2.58E-09(1.0 0.0)
1710, 2.64E-09(1.0 0.0)	1712, 2.64E-09(1.0 0.0)	1714, 2.55E-09(1.0 0.0)	1716, 2.41E-09(1.0 0.0)
1720, 2.25E-09(1.0 0.0)	1722, 2.21E-09(1.0 0.0)	1724, 2.20E-09(1.0 0.0)	1726, 2.19E-09(1.0 0.0)
1730, 2.34E-09(1.0 0.0)	1732, 2.30E-09(1.0 0.0)	1734, 2.26E-09(1.0 0.0)	1736, 2.19E-09(1.0 0.0)
1740, 2.26E-09(1.0 0.0)	1742, 2.30E-09(1.0 0.0)	1744, 2.26E-09(1.0 0.0)	1746, 2.19E-09(1.0 0.0)
1750, 2.11E-09(1.0 0.0)	1752, 2.09E-09(1.0 0.0)	1754, 2.06E-09(1.0 0.0)	1756, 2.08E-09(1.0 0.0)
1760, 2.12E-09(1.0 0.0)	1762, 2.05E-09(1.0 0.0)	1764, 2.01E-09(1.0 0.0)	1766, 2.01E-09(1.0 0.0)
1770, 2.03E-09(1.0 0.0)	1772, 2.01E-09(1.0 0.0)	1774, 2.00E-09(1.0 0.0)	1776, 2.02E-09(.9 0.0)
1780, 2.04E-09(.9 0.0)	1782, 2.03E-09(.9 0.0)	1784, 2.03E-09(.9 0.0)	1786, 2.01E-09(.9 0.0)
1790, 2.01E-09(.9 0.0)	1792, 1.99E-09(.9 0.0)	1794, 1.98E-09(.9 0.0)	1796, 1.97E-09(.9 0.0)
1800, 1.98E-09(.9 0.0)	1802, 1.99E-09(.9 0.0)	1804, 2.04E-09(.9 0.0)	1806, 2.02E-09(.9 0.0)
1810, 1.98E-09(.9 0.0)	1812, 1.99E-09(.9 0.0)	1814, 1.96E-09(.8 0.0)	1816, 1.91E-09(.8 0.0)
1820, 1.95E-09(.8 0.0)	1822, 1.99E-09(.8 0.0)	1824, 1.99E-09(.8 0.0)	1826, 2.03E-09(.8 0.0)
1800, 1.96E-09(.9 0.0)	1805, 2.03E-09(.9 0.0)	1810, 1.98E-09(.9 0.0)	1815, 1.93E-09(.8 0.0)
1825, 2.01E-09(.8 0.0)	1830, 2.24E-09(.8 0.0)	1835, 2.18E-09(.8 0.0)	1840, 2.04E-09(.8 0.0)
1850, 1.74E-09(.8 0.0)	1855, 1.68E-09(.8 0.0)	1860, 1.74E-09(.8 0.0)	1865, 1.72E-09(.7 0.0)
1875, 1.65E-09(.7 0.0)	1880, 1.73E-09(.7 0.0)	1885, 1.77E-09(.7 0.0)	1890, 1.58E-09(.7 0.0)
1900, 1.50E-09(.7 0.0)	1905, 1.51E-09(.7 0.0)	1910, 1.49E-09(.7 0.0)	1915, 1.41E-09(.7 0.0)
1925, 1.32E-09(.7 0.0)	1930, 1.39E-09(.7 0.0)	1935, 1.42E-09(.7 0.0)	1940, 1.44E-09(.7 0.0)
1950, 1.38E-09(.7 0.0)	1955, 1.31E-09(.7 0.0)	1960, 1.25E-09(.7 0.0)	1965, 1.22E-09(.7 0.0)
1975, 1.30E-09(.6 0.0)	1980, 1.30E-09(.6 0.0)	1985, 1.35E-09(.6 0.0)	1990, 1.37E-09(.6 0.0)
2000, 1.21E-09(.6 0.0)	2005, 1.23E-09(.6 0.0)	2010, 1.21E-09(.6 0.0)	2015, 1.18E-09(.5 0.0)
2025, 1.27E-09(.5 0.0)	2030, 1.20E-09(.5 0.0)	2035, 1.16E-09(.5 0.0)	2040, 1.18E-09(.5 0.0)
2050E 1.13E-09(.5 0.0)	2055, 1.08E-09(.4 0.0)	2060E 1.08E-09(.4 0.0)	2065E 1.04E-09(.5 0.0)
2075E 1.50E-09(.4 0.0)	2080E 1.08E-09(.4 0.0)	2085E 1.07E-09(.4 0.0)	2090E 1.08E-09(.4 0.0)
2100E 1.12E-09(.4 0.0)	2105E 1.12E-09(.4 0.0)	2110E 1.11E-09(.3 0.0)	2115E 1.13E-09(.3 0.0)
2125E 1.11E-09(.3 0.0)	2130E 1.10E-09(.3 0.0)	2135E 1.08E-09(.3 0.0)	2140E 1.06E-09(.3 0.0)
2150E 1.02E-09(.3 0.0)	2155E 1.02E-09(.3 0.0)	2160E 1.04E-09(.3 0.0)	2165E 1.01E-09(.3 0.0)
2175E 9.56E-10(.3 0.0)	2180E 9.62E-10(.3 0.0)	2185E 9.64E-10(.3 0.0)	2190E 9.54E-10(.3 0.0)
2200E 9.42E-10(.3 0.0)	2205E 9.40E-10(.3 0.0)	2210E 9.15E-10(.3 0.0)	2215E 8.66E-10(.3 0.0)
2225E 8.30E-10(.3 0.0)	2230E 8.45E-10(.3 0.0)	2235E 8.51E-10(.2 0.0)	2240E 8.31E-10(.2 0.0)
2250E 8.03E-10(.2 0.0)	2255E 7.93E-10(.2 0.0)	2260E 7.65E-10(.2 0.0)	2265E 7.54E-10(.2 0.0)
2275E 7.54E-10(.2 0.0)	2280E 7.63E-10(.2 0.0)	2285E 7.49E-10(.2 0.0)	2290E 7.27E-10(.2 0.0)
2300E 7.71E-10(.2 0.0)	2305E 7.96E-10(.2 0.0)	2310E 7.91E-10(.2 0.0)	2315E 7.71E-10(.2 0.0)
2300E 7.69E-10(.2 0.0)	2310E 7.89E-10(.2 0.0)	2320E 7.48E-10(.2 0.0)	2330E 7.08E-10(.2 0.0)
2350E 6.90E-10(.2 0.0)	2360E 7.32E-10(.2 0.0)	2370E 7.40E-10(.2 0.0)	2380E 6.74E-10(.2 0.0)
2400E 5.73E-10(.2 0.0)	2410E 5.52E-10(.2 0.0)	2420E 5.54E-10(.2 0.0)	2430E 5.98E-10(.2 0.0)
2450E 6.04E-10(.2 0.0)	2460E 6.10E-10(.2 0.0)	2470E 5.73E-10(.2 0.0)	2480E 5.39E-10(.2 0.0)
2500E 5.43E-10(.2 0.0)	2510E 5.01E-10(.2 0.0)	2520E 4.92E-10(.2 0.0)	2530E 5.03E-10(.2 0.0)
2550E 4.31E-10(.2 0.0)	2560E 4.25E-10(.2 0.0)	2570E 4.29E-10(.2 0.0)	2580E 4.28E-10(.2 0.0)
2600E 4.21E-10(.2 0.0)	2610E 4.03E-10(.2 0.0)	2620E 3.83E-10(.2 0.0)	2630E 3.64E-10(.2 0.0)
2650E 3.44E-10(.2 0.0)	2660E 3.39E-10(.2 0.0)	2670E 3.40E-10(.2 0.0)	2680E 3.49E-10(.2 0.0)
2700E 3.42E-10(.2 0.0)	2710E 3.60E-10(.2 0.0)	2720E 3.63E-10(.2 0.0)	2730E 3.68E-10(.2 0.0)
2750E 3.59E-10(.2 0.0)	2760E 3.48E-10(.2 0.0)	2770E 3.34E-10(.2 0.0)	2780E 3.20E-10(.2 0.0)
2800E 3.12E-10(.2 0.0)	2810E 3.07E-10(.2 0.0)	2820E 3.24E-10(.2 0.0)	2830E 3.36E-10(.2 0.0)
2850E 3.56E-10(.2 0.0)	2860E 3.44E-10(.2 0.0)	2870E 3.23E-10(.2 0.0)	2880E 3.03E-10(.2 0.0)
2900E 2.74E-10(.2 0.0)	2910E 2.65E-10(.2 0.0)	2920E 2.64E-10(.2 0.0)	2930E 2.65E-10(.2 0.0)
2950E 2.53E-10(.2 0.0)	2960E 2.44E-10(.2 0.0)	2970E 2.39E-10(.2 0.0)	2980E 2.40E-10(.2 0.0)
3000E 2.47E-10(.2 0.0)	3010E 2.44E-10(.2 0.0)	3020E 2.39E-10(.2 0.0)	3030E 2.34E-10(.2 0.0)
3000E 2.46E-10(.2 0.0)	3020E 2.39E-10(.2 0.0)	3040E 2.30E-10(.2 0.0)	3060E 2.18E-10(.2 0.0)
3100E 2.15E-10(.2 0.0)	3120E 2.22E-10(.2 0.0)	3145E 2.10E-10(.1 0.0)	3240E 2.10E-10(.1 0.0)
3200E 2.09E-10(.2 0.0)	3220E 2.12E-10(.2 0.0)	3240E 2.10E-10(.1 0.0)	3260E 2.10E-10(.1 0.0)
3300E 2.09E-10(.1 0.0)	3320E 2.23E-10(.1 0.0)	3340E 2.39E-10(.1 0.0)	3360E 2.47E-10(.1 0.0)
3400E 2.37E-10(.1 0.0)	3420E 2.26E-10(.1 0.0)	3440E 2.10E-10(.1 0.0)	3460E 1.92E-10(.1 0.0)
3500E 1.79E-10(.1 0.0)	3520E 1.77E-10(.1 0.0)	3540E 1.71E-10(.1 0.0)	3560E 1.63E-10(.1 0.0)
3600E 1.56E-10(.2 0.0)	3620E 1.60E-10(.2 0.0)	3640E 1.65E-10(.2 0.0)	3660E 1.64E-10(.2 0.0)
3700E 1.48E-10(.2 0.0)	3720E 1.36E-10(.2 0.0)	3740E 1.26E-10(.2 0.0)	3760E 1.20E-10(.2 0.0)
3800E 1.15E-10(.2 0.0)	3820E 1.13E-10(.2 0.0)	3840E 1.11E-10(.2 0.0)	3860E 1.08E-10(.2 0.0)
3900E 1.03E-10(.3 0.0)	3920E 1.02E-10(.3 0.0)	3940E 1.01E-10(.3 0.0)	3960E 1.01E-10(.3 0.0)
4000E 1.04E-10(.3 0.0)	4020E 1.07E-10(.3 0.0)	4040E 1.10E-10(.3 0.0)	4060E 1.14E-10(.3 0.0)
4100E 1.20E-10(.3 0.0)	4120E 1.22E-10(.3 0.0)	4140E 1.22E-10(.3 0.0)	4160E 1.23E-10(.3 0.0)
135, .00(0.0 0.0)	139U, -.56(.4 0.0)	148, -.25(1.0 0.0)	154, .12(1.0 0.0)
166, .28(1.0 0.0)	172, .47(1.0 0.0)	181, .65(.8 0.0)	192, 1.01(.7 0.0)
219E, 1.48(.3 0.0)	245E, 2.00(.2 0.0)	280E, 2.66(.2 0.0)	360E, 3.27(.2 0.0)
161, .27(1.0 0.0)	204, 1.2(.5 0.0)	0, 0.00(0.0 0.0)	0, 0.00(0.0 0.0)

X, Y(NM) -12.3 -10.7 SL3-257 24 SCANS, T= 227 LAM LEP WT 1.0, SCALE 1.00

R = 0.83+

R = 1.00:

R = 1.32:



LAMBDA	F	( WT. SIG)	F - AVE FLUX	FROM LAM-DEL/2 TO LAM-DEL/2	F - AVE FLUX	FROM LAM-DEL/2 TO LAM-DEL/2	
15000	0.0	(0.0 0.0)	1512.0	0.0	(0.0 0.0)	1518.0	5.07E-10(.5 .0)
15200	4.70E-10(.5 .0)	1522.5	5.03E-10(.5 .0)	1524.7	4.64E-10(.6 .0)	1528.4	4.57E-10(.5 .0)
15300	4.06E-10(.5 .0)	1532.4	4.51E-10(.5 .0)	1534.4	3.83E-10(.5 .0)	1538.4	4.27E-10(.6 .0)
1540	4.64E-10(.6 .0)	1542.4	4.24E-10(.7 .0)	1544.4	4.35E-10(.7 .0)	15460	4.72E-10(.7 1.0)
15500	4.42E-10(.7 2.0)	15520	4.17E-10(.7 2.1)	15540	4.07E-10(.7 2.2)	15560	3.95E-10(.7 3.0)
15600	4.07E-10(.8 4.9)	15620	4.00E-10(.8 10.6)	15640	4.03E-10(.8 17.5)	15660	4.08E-10(.9 14.3)
1580	4.33E-10(.1 13.7)	1582.1	3.83E-10(.1 13.7)	1584.1	3.90E-10(.2 6.2)	1586.1	3.85E-10(.2 9.8)
1590	4.33E-10(.1 12.1)	1592.4	4.46E-10(.1 22.0)	1594.4	3.90E-10(.2 12.6)	1596.4	3.94E-10(.1 14.8)
1600	4.26E-10(.1 4.20.1)	1592.4	4.07E-10(.1 4.13.5)	1594.4	4.00E-10(.1 4.19.7)	1596.4	4.46E-10(.1 5.26.2)
1600	4.33E-10(.1 4.10.1)	1602.4	4.17E-10(.1 3.4.2)	1604.4	4.01E-10(.1 3.8.8)	1606.3	3.94E-10(.1 3.2.2)
1610	3.71E-10(.1 4.10.8)	1612.3	3.93E-10(.1 4.13.1)	1614.4	4.05E-10(.1 4.5.6)	1616.4	3.92E-10(.1 4.3.2)
1620	4.24E-10(.1 5.13.4)	1622.4	4.12E-10(.1 5.9.7)	1624.4	4.00E-10(.1 5.9.8)	1626.4	4.29E-10(.1 5.14.1)
1630	4.09E-10(.1 5.7.0)	1632.4	4.07E-10(.1 5.7.8)	1634.4	4.02E-10(.1 5.6.9)	1636.3	3.94E-10(.1 4.1.0)
1640	4.02E-10(.1 5.4.4)	1642.4	4.28E-10(.1 6.1.6)	1644.4	4.47E-10(.1 7.16.7)	1646.4	4.46E-10(.1 7.14.4)
1650	4.02E-10(.1 5.4.6)	1652.4	4.88E-10(.1 6.9.1)	1654.4	4.45E-10(.1 7.16.7)	1656.4	4.45E-10(.1 7.16.7)
1660	4.33E-10(.1 7.6.2)	1662.4	4.32E-10(.1 7.8.7)	1664.4	4.45E-10(.1 8.9.7)	1666.4	4.40E-10(.1 8.8.8)
1670	4.21E-10(.1 7.7.5)	1672.4	4.12E-10(.1 8.5.3)	1674.4	4.21E-10(.1 8.11.0)	1676.4	4.29E-10(.1 11.9.9)
1680	4.44E-10(.2 8.6.6)	1682.4	4.29E-10(.1 9.7.5)	1684.4	4.22E-10(.1 9.7.9)	1686.4	4.36E-10(.2 9.0.9)
1690	4.29E-10(.2 7.2.6)	1692.4	4.04E-10(.1 8.2.2)	1694.4	3.93E-10(.1 7.7.7)	1696.4	3.84E-10(.1 7.1.8)
1700	3.75E-10(.1 8.1.6)	1702.4	3.95E-10(.2 8.0.5)	1704.4	4.11E-10(.2 11.6.6)	1706.4	4.11E-10(.2 12.7.7)
1710	4.09E-10(.2 11.1.1)	1712.4	4.17E-10(.2 8.0.8)	1714.4	4.26E-10(.2 9.2.2)	1716.4	4.15E-10(.2 9.1.1)
1720	3.88E-10(.2 5.7.7)	1722.4	3.88E-10(.2 9.2.0)	1724.4	3.92E-10(.2 9.2.0)	1726.4	4.02E-10(.2 9.4.4)
1730	4.02E-10(.2 4.8.8)	1732.4	4.08E-10(.2 6.5.7)	1734.4	4.14E-10(.2 8.0.7)	1736.4	4.20E-10(.2 7.8.8)
1740	3.92E-10(.2 5.0.5)	1742.4	3.91E-10(.2 6.0.6)	1744.4	4.00E-10(.2 7.8.7)	1746.4	4.00E-10(.2 8.0.9)
1750	3.76E-10(.2 6.4.6)	1752.4	3.74E-10(.2 6.1.1)	1754.4	3.80E-10(.2 5.6.7)	1756.4	3.96E-10(.2 6.0.6)
1760	4.03E-10(.2 1.7.9)	1762.4	3.89E-10(.2 1.6.7)	1764.4	3.80E-10(.2 1.5.9)	1766.4	3.75E-10(.2 1.6.1)
1770	3.73E-10(.2 2.5.5)	1772.4	3.68E-10(.2 2.4.3)	1774.4	3.61E-10(.2 2.4.0)	1776.4	3.58E-10(.2 2.5.1)
1780	3.70E-10(.2 3.7.9)	1782.4	3.67E-10(.2 3.5.0)	1784.4	3.58E-10(.2 3.2.2)	1786.4	3.54E-10(.2 3.2.1)
1790	3.62E-10(.2 4.4.4)	1792.4	3.64E-10(.2 5.2.2)	1794.4	3.67E-10(.2 5.2.2)	1796.4	3.68E-10(.2 5.1.6)
1800	3.45E-10(.2 4.4.4)	1802.4	3.66E-10(.2 5.2.2)	1804.4	3.68E-10(.2 5.1.6)	1806.4	3.68E-10(.2 5.1.6)
1810	3.45E-10(.2 4.8.4)	1812.4	3.44E-10(.2 10.4.4)	1814.4	3.48E-10(.2 11.9.9)	1816.4	3.48E-10(.2 11.4.4)
1820	3.50E-10(.2 4.5.5)	1822.4	3.57E-10(.2 5.2.9)	1824.4	3.64E-10(.2 6.3.7)	1826.4	3.68E-10(.2 7.5.1)
1830	3.65E-10(.2 5.4.0)	1805.3	3.60E-10(.2 5.6.1)	1810.3	3.45E-10(.2 4.8.0)	1815.3	3.45E-10(.2 4.12.6)
1825	3.66E-10(.2 7.4.4)	1830.3	3.75E-10(.2 8.9.8)	1835.3	3.73E-10(.2 11.6.6)	1840.3	3.64E-10(.2 9.8.8)
1850	3.54E-10(.2 8.1.0)	1845.3	3.46E-10(.2 8.4.8)	1855.3	3.40E-10(.2 8.12.0)	1865.3	3.40E-10(.2 8.12.0)
1860	3.54E-10(.2 8.1.0)	1860.3	3.20E-10(.2 8.5.0)	1865.3	3.07E-10(.2 8.5.0)	1865.3	3.07E-10(.2 8.5.0)
1900	2.93E-10(.2 8.4.0)	1905.3	2.81E-10(.2 8.1.5)	1910.3	2.70E-10(.2 8.1.5)	1915.3	2.64E-10(.2 7.2.2)
1925	2.47E-10(.2 7.3.2)	1930.3	2.56E-10(.2 8.1.6)	1935.3	2.64E-10(.2 8.4.4)	1940.3	2.59E-10(.2 8.1.2)
1950	2.60E-10(.2 8.8.9)	1955.3	2.74E-10(.2 8.9.0)	1960.3	2.84E-10(.2 7.6.7)	1965.3	2.81E-10(.2 7.2.9)
1975	2.67E-10(.2 7.3.3)	1980.3	2.61E-10(.2 7.4.2)	1985.3	2.52E-10(.2 7.3.0)	1990.3	2.47E-10(.2 7.3.3)
2000	2.54E-10(.2 6.2.7)	2005.3	2.54E-10(.2 6.2.9)	2010.3	2.54E-10(.2 6.3.4)	2015.3	2.50E-10(.2 6.2.1)
2025	2.53E-10(.2 6.5.9)	2030.3	2.51E-10(.2 6.8.9)	2035.3	2.46E-10(.2 6.8.0)	2040.3	2.52E-10(.2 5.3.5)
2050	2.42E-10(.2 4.6.6)	2055.3	2.49E-10(.2 4.4.0)	2060.3	2.45E-10(.2 4.4.4)	2065.3	2.40E-10(.2 4.4.4)
2075	2.42E-10(.2 4.6.6)	2080.3	2.44E-10(.2 4.4.0)	2085.3	2.42E-10(.2 3.2.2)	2090.3	2.40E-10(.2 3.5.2)
2100	2.43E-10(.2 3.6.7)	2105.3	2.45E-10(.2 2.6.6)	2110.3	2.46E-10(.2 2.6.3)	2115.3	2.46E-10(.2 2.7.1)
2125	2.41E-10(.2 2.7.8)	2130.3	2.38E-10(.2 2.5.4)	2135.3	2.30E-10(.2 2.4.6)	2140.3	2.21E-10(.2 2.7.1)
2150	2.25E-10(.2 1.7.9)	2155.3	2.29E-10(.2 1.6.8)	2160.3	2.31E-10(.2 1.5.5)	2165.3	2.30E-10(.2 1.5.7)
2175	2.22E-10(.2 8.8.8)	2180.3	2.19E-10(.2 9.0.0)	2185.3	2.17E-10(.2 8.2.2)	2190.3	2.16E-10(.2 7.2.2)
2200	2.14E-10(.2 9.1.1)	2205.3	2.14E-10(.1 9.12.0)	2210.3	2.13E-10(.1 14.5.5)	2215.3	2.11E-10(.1 9.15.9)
2225	2.14E-10(.1 16.7.7)	2230.3	1.98E-10(.1 16.7.7)	2235.3	1.96E-10(.1 16.7.7)	2240.3	1.95E-10(.1 16.7.7)
2250	1.94E-10(.1 9.16.6)	2255.3	1.92E-10(.1 9.15.4)	2260.3	1.89E-10(.1 9.14.6)	2265.3	1.86E-10(.1 9.15.2)
2275	1.85E-10(.1 8.18.1)	2280.3	1.85E-10(.1 8.18.5)	2285.3	1.83E-10(.1 8.18.3)	2290.3	1.80E-10(.1 8.17.0)
2300	1.76E-10(.1 8.15.1)	2305.3	1.75E-10(.1 8.14.0)	2310.3	1.74E-10(.1 8.12.7)	2315.3	1.74E-10(.1 8.12.0)
2330	1.76E-10(.1 8.15.3)	2310.3	1.74E-10(.1 8.12.7)	2320.3	1.74E-10(.1 8.12.1)	2330.3	1.76E-10(.1 8.16.1)
2350	1.68E-10(.1 7.18.8)	2360.3	1.66E-10(.1 7.18.5)	2370.3	1.65E-10(.1 7.17.3)	2380.3	1.71E-10(.1 7.16.3)
2400	1.66E-10(.1 6.23.3)	2390.3	1.64E-10(.1 6.23.3)	2400.3	1.63E-10(.1 6.23.3)	2410.3	1.63E-10(.1 6.23.3)
2450	1.62E-10(.1 6.23.6)	2460.3	1.50E-10(.1 5.21.2)	2470.3	1.49E-10(.1 5.19.1)	2480.3	1.49E-10(.1 5.20.5)
2500	1.48E-10(.1 5.24.9)	2510.3	1.43E-10(.1 5.24.0)	2520.3	1.41E-10(.1 5.23.2)	2530.3	1.41E-10(.1 5.21.0)
2550	1.36E-10(.1 5.19.1)	2560E	1.35E-10(.1 5.21.3)	2570E	1.35E-10(.1 4.22.1)	2580E	1.32E-10(.1 4.22.7)
2600E	1.27E-10(.1 4.22.3)	2610E	1.28E-10(.1 4.22.0)	2620E	1.32E-10(.1 4.23.1)	2630E	1.34E-10(.1 3.23.4)
2650E	1.31E-10(.1 3.19.2)	2660E	1.28E-10(.1 3.17.9)	2670E	1.26E-10(.1 3.18.3)	2680E	1.23E-10(.1 3.18.9)
2700E	1.21E-10(.1 3.20.6)	2710E	1.21E-10(.1 3.21.6)	2720E	1.21E-10(.1 3.21.7)	2730E	1.20E-10(.1 3.20.2)
2750E	1.14E-10(.1 3.16.7)	2760E	1.13E-10(.1 3.16.7)	2770E	1.13E-10(.1 3.16.7)	2780E	1.13E-10(.1 3.16.7)
2800E	1.13E-10(.1 2.24.7)	2810E	1.15E-10(.1 2.23.1)	2820E	1.16E-10(.1 2.21.8)	2830E	1.16E-10(.1 2.21.6)
2850E	1.12E-10(.1 2.20.1)	2860E	1.11E-10(.1 2.19.7)	2870E	1.10E-10(.1 1.19.7)	2880E	1.11E-10(.1 1.19.4)
2900E	1.11E-10(.1 1.18.2)	2910E	1.09E-10(.1 1.18.0)	2920E	1.08E-10(.1 1.18.6)	2930E	1.07E-10(.1 1.19.6)
2950E	1.03E-10(.1 1.21.5)	2960E	1.00E-10(.1 1.21.5)	2970E	9.74E-11(.1 20.7)	2980E	9.56E-11(.1 21.2)
3000E	9.24E-11(.1 21.4)	3010E	9.20E-11(.1 21.4)	3020E	9.31E-11(.1 21.6)	3030E	9.49E-11(.1 21.4)
3000E	9.24E-11(.1 21.0)	3020E	9.31E-11(.1 21.7)	3040E	9.62E-11(.1 0.19.8)	3060E	9.63E-11(.1 0.17.6)
3100E	9.08E-11(.1 20.1)	3120E	8.99E-11(.1 0.20.1)	3140E	9.22E-11(.1 0.22.1)	3160E	9.50E-11(.1 0.29.4)
3200E	9.61E-11(.9 47.9)	3220E	9.28E-11(.9 50.6)	3240E	8.97E-11(.9 50.3)	3260E	8.87E-11(.9 46.5)
3300E	8.58E-11(.9 21.4)	3320E	8.33E-11(.9 20.2)	3340E	8.12E-11(.9 25.7)	3360E	7.96E-11(.9 36.2)
3400E	7.56E-11(.1 0.42.0)	3420E	7.36E-11(.1 0.45.9)	3440E	7.21E-11(.1 0.52.5)	3460E	7.06E-11(.1 0.54.4)
3500E	6.50E-11(.1 0.57.5)	3520E	6.09E-11(.1 0.59.3)	3540E	5.67E-11(.1 0.60.9)	3560E	5.28E-11(.1 0.54.3)
3600E	4.82E-11(.1 2.45.9)	3620E	4.81E-11(.1 2.54.3)	3640E	4.83E-11(.1 2.66.0)	3660E	4.80E-11(.1 2.64.0)
3700E	4.41E-11(.1 2.20.4)	3720E	4.41E-11(.1 2.33.3)	3740E	4.41E-11(.1 2.33.3)	3760E	4.41E-11(.1 2.33.3)
3800E	3.89E-11(.1 3.32.9)	3820E	3.88E-11(.1 3.35.3)	3840E	3.87E-11(.1 3.37.1)	3860E	3.84E-11(.1 3.37.5)
3900E	3.82E-11(.1 3.4.3)	3920E	3.84E-11(.1 3.4.6)	3940E	3.91E-11(.1 3.4.9)	3960E	3.97E-11(.1 3.4.1)
4000	4.09E-11(.1 5.44.7)	4020	4.10E-11(.1 5.45.5)	4040	4.13E-11(.1 5.47.3)	4060	4.14E-11(.1 5.49.6)
4100	4.13E-11(.1 6.51.4)	4120	4.09E-11(.1 7.49.9)	4140	4.08E-11(.1 7.48.3)	4160	4.07E-11(.1 7.46.0)
135	0.00(0.0 0.0)	139	0.00(0.0 0.0)	148	0.00(0.0 0.0)	154	2.30(6.6 0.0)
164	3.32(8.7 1.1)	172	2.40(2.0 6.3)	180	2.51(2.5 2.7)	186	2.78(2.8 3.1)
218	3.08(2.0 10.1)	245	2.45(1.6 16.2)	280E	3.77(1.2 16.0)	360E	4.24(1.1 15.7)
0	0.00(0.0 0.0)	0	0.00(0.0 0.0)	0	0.00(0.0 0.0)	0	0.00(0.0 0.0)
0	0.00(0.0 0.0)	0	0.00(0.0 0.0)	0	0.00(0.0 0.0)	0	0.00(0.0 0.0)
0	0.00(0.0 0.0)	0	0.00(0.0 0.0)	0	0.00(0.0 0.0)	0	0.00(0.0 0.0)
0	0.00(0.0 0.0)	0	0.00(0.0 0.0)	0	0.00(0.0 0.0)	0	0.00(0.0 0.0)
0	0.00(0.0 0.0)	0	0.00(0.0 0.0)	0	0.00(0.0 0.0)	0	0.00(0.0 0.0)
0	0.00(0.0 0.0)	0	0.00(0.0 0.0)	0	0.00(0.0 0.0)	0	0.00(0.0 0.0)
0	0.00(0.0 0.0)	0	0.00(0.0 0.0)	0	0.00(0.0 0.0)	0	0.00(0.0 0.0)
0	0.00(0.0 0.0)	0	0.00(0.0 0.0)	0	0.00(0.0 0.0)	0	0.00(0.0 0.0)
0	0.00(0.0 0.0)	0	0.00(0.0 0.0)	0	0.00(0.0 0.0)	0	0.00(0.0 0.0)
0	0.00(0.0 0.0)	0	0.00(0.0 0.0)	0	0.00(0.0 0.0)	0	0.00(0.0 0.0)
0	0.00(0.0 0.0)	0	0.00(0.0 0.0)	0	0.00(0.0 0.0)	0	0.00(0.0 0.0)
0	0.00(0.0 0.0)	0	0.00(0.0 0.0)	0	0.00(0.0 0.0)	0	0.00(0.0 0.0)
0	0.00(0.0 0.0)	0	0.00(0.0 0.0)	0	0.00(0.0 0.0)	0	0.00(0.0 0.0)
0	0.00(0.0 0.0)	0	0.00(0.0 0.0)	0	0.00(0.0 0.0)	0	0.00(0.0 0.0)
0	0.00(0.0 0.0)	0	0.00(0.0 0.0)	0	0.00(0.0 0.0)	0	0.00(0.0 0.0)
0	0.00(0.0 0.0)	0	0.00(0.0 0.0)	0	0.00(0.0 0.0)	0	0.00(0.0 0.0)
0	0.00(0.0 0.0)	0	0.00(0.0 0.0)	0	0.00(0.0 0.0)	0	0.00(0.0 0.0)

R = 1.00

$R = 0.95 \pm$

LAMBDA, F (WT, SIG)	F - AVE FLUX FROM LAM-DEL/2 TO LAM+DEL/2				
1460U 2.14E-09(2.0)	1462U 2.09E-09(3.0)	1464U 2.05E-09(3.0)	1466U 1.95E-09(3.0)	1468U 1.83E-09(3.0)	1470U 1.79E-09(3.0)
1470U 1.79E-09(3.0)	1472U 2.09E-09(3.0)	1474U 2.07E-09(3.0)	1476U 1.71E-09(3.0)	1478U 1.43E-09(3.0)	1480U 1.38E-09(3.0)
1480U 1.38E-09(3.0)	1482U 1.95E-09(4.0)	1484U 1.66E-09(4.0)	1486U 1.87E-09(4.0)	1488U 1.92E-09(4.0)	1490U 1.95E-09(4.0)
1490U 1.95E-09(4.0)	1492U 1.86E-09(4.0)	1494U 1.70E-09(4.0)	1496U 1.60E-09(4.0)	1498U 1.41E-09(3.0)	1500U 1.21E-09(3.0)
1500U 1.21E-09(3.0)	1502U 1.22E-09(3.0)	1504U 1.45E-09(3.0)	1506U 1.61E-09(4.0)	1508U 1.47E-09(3.0)	1510U 1.06E-09(2.0)
1510U 1.06E-09(2.0)	1512U 8.63E-10(2.0)	1514U 8.89E-10(2.0)	1516U 9.91E-10(2.0)	1518U 1.12E-09(3.0)	1520U 1.17E-09(3.0)
1520U 1.17E-09(3.0)	1522U 1.29E-09(3.0)	1524U 1.16E-09(3.0)	1526U 7.75E-10(2.0)	1528U 8.20E-10(2.0)	1530U 9.38E-10(3.0)
1530U 9.38E-10(3.0)	1532U 1.06E-09(3.0)	1534U 1.14E-09(4.0)	1536U 1.21E-09(4.0)	1538U 1.21E-09(4.0)	1540U 1.02E-09(4.0)
1540U 1.02E-09(4.0)	1542U 8.84E-10(3.0)	1544U 6.14E-10(2.0)	1546U 6.92E-10(2.0)	1548U 8.28E-10(2.0)	1550U 8.19E-10(2.0)
1550U 8.19E-10(2.0)	1552U 7.28E-10(3.0)	1554U 7.27E-10(3.0)	1556U 5.03E-09(4.0)	1558U 1.00E-09(5.0)	1560U 9.05E-10(4.0)
1560U 9.05E-10(4.0)	1562U 9.05E-10(4.0)	1564U 9.18E-10(4.0)	1566U 9.08E-10(5.0)	1568U 9.83E-10(5.0)	1570U 1.01E-09(6.0)
1570U 1.01E-09(6.0)	1572U 1.10E-09(6.0)	1574U 1.05E-09(6.0)	1576U 9.42E-10(6.0)	1578U 9.23E-10(6.0)	1580U 9.59E-10(6.0)
1580U 9.59E-10(6.0)	1582U 9.23E-10(6.0)	1584U 9.14E-10(6.0)	1586U 9.87E-10(7.0)	1588U 9.71E-10(7.0)	1590U 9.73E-10(7.0)
1590U 9.73E-10(7.0)	1592U 9.94E-10(8.0)	1594U 1.00E-09(8.0)	1596U 9.96E-10(8.0)	1598U 9.64E-10(8.0)	1600U 1.02E-09(9.0)
1600U 1.02E-09(9.0)	1602U 1.04E-09(9.0)	1604U 1.06E-09(10.0)	1606U 9.82E-10(9.0)	1608U 9.16E-10(8.0)	1610U 8.76E-10(8.0)
1610U 8.76E-10(8.0)	1612U 8.13E-10(7.0)	1614U 8.39E-10(8.0)	1616U 8.83E-10(8.0)	1618U 9.23E-10(10.0)	1620U 8.88E-10(9.0)
1620U 8.88E-10(9.0)	1622U 9.50E-10(10.0)	1624U 9.81E-10(10.0)	1626U 9.20E-10(10.0)	1628U 9.04E-10(10.0)	1630U 9.19E-10(10.0)
1630U 9.19E-10(10.0)	1632U 9.65E-10(10.0)	1634U 9.16E-10(10.0)	1636U 8.65E-10(10.0)	1638U 8.89E-10(10.0)	1640U 8.98E-10(10.0)
1640U 8.98E-10(10.0)	1642U 8.87E-10(10.0)	1644U 8.96E-10(10.0)	1646U 8.89E-10(10.0)	1648U 8.89E-10(10.0)	1650U 8.62E-10(10.0)
1650U 8.62E-10(10.0)	1652U 8.60E-10(10.0)	1654U 8.76E-10(10.0)	1656U 9.03E-10(10.0)	1658U 8.81E-10(10.0)	1660U 8.40E-10(10.0)
1660U 8.40E-10(10.0)	1662U 8.70E-10(10.0)	1664U 8.82E-10(10.0)	1666U 8.99E-10(10.0)	1668U 9.09E-10(10.0)	1670U 8.84E-10(10.0)
1670U 8.84E-10(10.0)	1672U 8.42E-10(10.0)	1674U 8.50E-10(10.0)	1676U 8.75E-10(10.0)	1678U 8.89E-10(10.0)	1680U 8.83E-10(10.0)
1680U 8.83E-10(10.0)	1682U 8.68E-10(10.0)	1684U 8.61E-10(10.0)	1686U 8.83E-10(10.0)	1688U 8.83E-10(10.0)	1690U 8.65E-10(10.0)
1690U 8.65E-10(10.0)	1692U 8.92E-10(10.0)	1694U 9.24E-10(10.0)	1696U 9.32E-10(10.0)	1698U 9.12E-10(10.0)	1700U 8.73E-10(10.0)
1700U 8.73E-10(10.0)	1702U 8.43E-10(10.0)	1704U 8.33E-10(10.0)	1706U 8.09E-10(10.0)	1708U 7.92E-10(10.0)	1710U 7.86E-10(10.0)
1710U 7.86E-10(10.0)	1712U 7.61E-10(10.0)	1714U 7.60E-10(10.0)	1716U 7.52E-10(10.0)	1718U 7.38E-10(10.0)	1720U 7.26E-10(10.0)
1720U 7.26E-10(10.0)	1722U 6.91E-10(10.0)	1724U 6.80E-10(10.0)	1726U 7.05E-10(10.0)	1728U 7.51E-10(10.0)	1730U 7.94E-10(10.0)
1730U 7.94E-10(10.0)	1732U 8.05E-10(10.0)	1734U 8.02E-10(10.0)	1736U 8.18E-10(10.0)	1738U 8.27E-10(10.0)	1740U 8.20E-10(10.0)
1740U 8.20E-10(10.0)	1742U 8.12E-10(10.0)	1744U 8.15E-10(10.0)	1746U 8.11E-10(10.0)	1748U 7.81E-10(10.0)	1750U 7.46E-10(10.0)
1750U 7.46E-10(10.0)	1752U 7.31E-10(10.0)	1754U 7.49E-10(10.0)	1756U 7.78E-10(10.0)	1758U 7.75E-10(10.0)	1760U 7.51E-10(10.0)
1760U 7.51E-10(10.0)	1762U 7.52E-10(10.0)	1764U 7.48E-10(10.0)	1766U 6.28E-10(10.0)	1768U 6.28E-10(10.0)	1770U 6.07E-10(10.0)
1770U 6.07E-10(10.0)	1772U 7.39E-10(10.0)	1774U 7.90E-10(10.0)	1776U 7.31E-10(10.0)	1778U 7.45E-10(10.0)	1780U 7.41E-10(10.0)
1780U 7.41E-10(10.0)	1782U 7.39E-10(10.0)	1784U 7.33E-10(10.0)	1786U 7.31E-10(10.0)	1788U 7.40E-10(10.0)	1790U 7.64E-10(10.0)
1790U 7.64E-10(10.0)	1792U 7.64E-10(10.0)	1794U 7.63E-10(10.0)	1796U 7.30E-10(10.0)	1798U 7.25E-10(10.0)	1800U 7.42E-10(10.0)
1800U 7.42E-10(10.0)	1802U 7.86E-10(10.0)	1804U 7.90E-10(10.0)	1806U 7.94E-10(10.0)	1808U 7.79E-10(10.0)	1810U 7.73E-10(10.0)
1810U 7.73E-10(10.0)	1812U 7.70E-10(10.0)	1814U 7.58E-10(10.0)	1816U 7.37E-10(10.0)	1818U 7.16E-10(10.0)	1820U 6.96E-10(10.0)
1820U 6.96E-10(10.0)	1822U 6.89E-10(10.0)	1824U 6.97E-10(10.0)	1826U 7.12E-10(10.0)	1828U 7.12E-10(10.0)	1830U 7.49E-10(10.0)
1830U 7.49E-10(10.0)	1832U 7.11E-10(10.0)	1834U 7.16E-10(10.0)	1836U 7.16E-10(10.0)	1838U 6.77E-10(10.0)	1840U 6.77E-10(10.0)
1840U 6.77E-10(10.0)	1842U 6.09E-10(10.0)	1844U 6.28E-10(10.0)	1846U 6.72E-10(10.0)	1848U 6.93E-10(10.0)	1850U 6.42E-10(10.0)
1850U 6.42E-10(10.0)	1852U 6.98E-10(10.0)	1854U 6.69E-10(10.0)	1856U 6.66E-10(10.0)	1858U 6.35E-10(10.0)	1860U 6.35E-10(10.0)
1860U 6.35E-10(10.0)	1862U 6.33E-10(10.0)	1864U 6.12E-10(10.0)	1866U 6.19E-10(10.0)	1868U 6.01E-10(10.0)	1870U 6.20E-10(10.0)
1870U 6.20E-10(10.0)	1872U 6.12E-10(10.0)	1874U 6.06E-10(10.0)	1876U 6.23E-10(10.0)	1878U 6.07E-10(10.0)	1880U 6.13E-10(10.0)
1880U 6.13E-10(10.0)	1882U 6.06E-10(10.0)	1884U 6.07E-10(10.0)	1886U 5.78E-10(10.0)	1888U 5.86E-10(10.0)	1890U 5.18E-10(10.0)
1890U 5.18E-10(10.0)	1892U 6.77E-10(10.0)	1894U 6.52E-10(10.0)	1896U 6.35E-10(10.0)	1898U 6.35E-10(10.0)	1900U 5.95E-10(10.0)
1900U 5.95E-10(10.0)	1902U 5.91E-10(10.0)	1904U 5.93E-10(10.0)	1906U 5.75E-10(10.0)	1908U 5.77E-10(10.0)	1910U 5.77E-10(10.0)
1910U 5.77E-10(10.0)	1912U 5.87E-10(10.0)	1914U 5.83E-10(10.0)	1916U 5.83E-10(10.0)	1918U 5.91E-10(10.0)	1920U 5.91E-10(10.0)
1920U 5.91E-10(10.0)	1922U 5.90E-10(10.0)	1924U 5.90E-10(10.0)	1926U 5.90E-10(10.0)	1928U 5.74E-10(10.0)	1930U 5.74E-10(10.0)
1930U 5.74E-10(10.0)	1932U 5.71E-10(10.0)	1934U 5.69E-10(10.0)	1936U 5.69E-10(10.0)	1938U 5.78E-10(10.0)	1940U 5.78E-10(10.0)
1940U 5.78E-10(10.0)	1942U 5.57E-10(10.0)	1944U 5.57E-10(10.0)	1946U 5.48E-10(10.0)	1948U 5.52E-10(10.0)	1950U 5.52E-10(10.0)
1950U 5.52E-10(10.0)	1952U 5.51E-10(10.0)	1954U 5.51E-10(10.0)	1956U 5.48E-10(10.0)	1958U 5.41E-10(10.0)	1960U 5.41E-10(10.0)
1960U 5.41E-10(10.0)	1962U 5.31E-10(10.0)	1964U 5.31E-10(10.0)	1966U 5.14E-10(10.0)	1968U 5.04E-10(10.0)	1970U 5.04E-10(10.0)
1970U 5.04E-10(10.0)	1972U 4.99E-10(10.0)	1974U 4.99E-10(10.0)	1976U 4.94E-10(10.0)	1978U 4.92E-10(10.0)	1980U 4.77E-10(10.0)
1980U 4.77E-10(10.0)	1982U 4.80E-10(10.0)	1984U 4.85E-10(10.0)	1986U 4.79E-10(10.0)	1988U 4.79E-10(10.0)	1990U 4.67E-10(10.0)
1990U 4.67E-10(10.0)	1992U 4.68E-10(10.0)	1994U 4.71E-10(10.0)	1996U 4.75E-10(10.0)	1998U 4.75E-10(10.0)	2000U 4.68E-10(10.0)
2000U 4.68E-10(10.0)	2002U 4.57E-10(10.0)	2004U 4.57E-10(10.0)	2006U 4.46E-10(10.0)	2008U 4.46E-10(10.0)	2010U 4.36E-10(10.0)
2010U 4.36E-10(10.0)	2012U 4.40E-10(10.0)	2014U 4.37E-10(10.0)	2016U 4.21E-10(10.0)	2018U 4.21E-10(10.0)	2020U 4.21E-10(10.0)
2020U 4.21E-10(10.0)	2022U 4.09E-10(10.0)	2024U 4.09E-10(10.0)	2026U 4.09E-10(10.0)	2028U 3.98E-10(10.0)	2030U 3.98E-10(10.0)
2030U 3.98E-10(10.0)	2032U 3.95E-10(10.0)	2034U 3.89E-10(10.0)	2036U 3.89E-10(10.0)	2038U 3.89E-10(10.0)	2040U 3.97E-10(10.0)
2040U 3.97E-10(10.0)	2042U 3.95E-10(10.0)	2044U 3.95E-10(10.0)	2046U 3.95E-10(10.0)	2048U 3.95E-10(10.0)	2050U 3.91E-10(10.0)
2050U 3.91E-10(10.0)	2052U 3.90E-10(10.0)	2054U 3.90E-10(10.0)	2056U 3.83E-10(10.0)	2058U 3.83E-10(10.0)	2060U 3.81E-10(10.0)
2060U 3.81E-10(10.0)	2062U 3.80E-10(10.0)	2064U 3.80E-10(10.0)	2066U 3.71E-10(10.0)	2068U 3.71E-10(10.0)	2070U 3.60E-10(10.0)
2070U 3.60E-10(10.0)	2072U 3.49E-10(10.0)	2074U 3.49E-10(10.0)	2076U 3.35E-10(10.0)	2078U 3.35E-10(10.0)	2080U 3.35E-10(10.0)
2080U 3.35E-10(10.0)	2082U 3.20E-10(10.0)	2084U 3.20E-10(10.0)	2086U 3.02E-10(10.0)	2088U 3.02E-10(10.0)	2090U 3.02E-10(10.0)
2090U 3.02E-10(10.0)	2092U 2.95E-10(10.0)	2094U 2.95E-10(10.0)	2096U 2.95E-10(10.0)	2098U 2.95E-10(10.0)	2100U 2.95E-10(10.0)
2100U 2.95E-10(10.0)	2102U 2.62E-10(10.0)	2104U 2.62E-10(10.0)	2106U 2.61E-10(10.0)	2108U 2.61E-10(10.0)	2110U 2.62E-10(10.0)
2110U 2.62E-10(10.0)	2112U 2.60E-10(10.0)	2114U 2.60E-10(10.0)	2116U 2.45E-10(10.0)	2118U 2.45E-10(10.0)	2120U 2.45E-10(10.0)
2120U 2.45E-10(10.0)	2122U 2.52E-10(10.0)	2124U 2.52E-10(10.0)	2126U 2.52E-10(10.0)	2128U 2.52E-10(10.0)	2130U 2.52E-10(10.0)
2130U 2.52E-10(10.0)	2132U 2.52E-10(10.0)	2134U 2.52E-10(10.0)	2136U 2.52E-10(10.0)	2138U 2.52E-10(10.0)	2140U 2.52E-10(10.0)
2140U 2.52E-10(10.0)	2142U 2.52E-10(10.0)	2144U 2.52E-10(10.0)	2146U 2.52E-10(10.0)	2148U 2.52E-10(10.0)	2150U 2.52E-10(10.0)
2150U 2.52E-10(10.0)	2152U 2.52E-10(10.0)	2154U 2.52E-10(10.0)	2156U 2.52E-10(10.0)	2158U 2.52E-10(10.0)	2160U 2.52E-10(10.0)
2160U 2.52E-10(10.0)	2162U 2.52E-10(10.0)	2164U 2.52E-10(10.0)	2166U 2.52E-10(10.0)	2168U 2.52E-10(10.0)	2170U 2.52E-10(10.0)
2170U 2.52E-10(10.0)	2172U 2.52E-10(10.0)	2174U 2.52E-10(10.0)	2176U 2.52E-10(10.0)	2178U 2.52E-10(10.0)	2180U 2.52E-10(10.0)
2180U 2.52E-10(10.0)	2182U 2.52E-10(10.0)	2184U 2.52E-10(10.0)	2186U 2.52E-10(10.0)	2188U 2.52E-10(10.0)	2190U 2.52E-10(10.0)
2190U 2.52E-10(10.0)	2192U 2.52E-10(10.0)	2194U 2.52E-10(10.0)	2196U 2.52E-10(10.0)	2198U 2.52E-10(10.0)	2200U 2.52E-10(10.0)
2200U 2.52E-10(10.0)	2202U 2.52E-10(10.0)	2204U 2.52E-10(10.0)	2206U 2.52E-10(10.0)	2208U 2.52E-10(10.0)	2210U 2.52E-10(10.0)
2210U 2.52E-10(10.0)	2212U 2.52E-10(10.0)	2214U 2.52E-10(10.0)	2216U 2.52E-10(10.0)	2218U 2.52E-10(10.0)	2220U 2.52E-10(10.0)
2220U 2.52E-10(10.0)	2222U 2.52E-10(10.0)	2224U 2.52E-10(10.0)	2226U 2.52E-10(10.0)	2228U 2.52E-10(10.0)	2230U 2.52E-10(10.0)
2230U 2.52E-10(10.0)	2232U 2.52E-10(10.0)	2234U 2.52E-10(10.0)	2236U 2.52E-10(10.0)	2238U 2.52E-10(10.0)	2240U 2.52E-10(10.0)
2240U 2.52E-10(10.0)	2242U 2.52E-10(10.0)	2244U 2.52E-10(10.0)	2246U 2.52E-10(10.0)	2248U 2.52E-10(10.0)	2250U 2.52E-10(10.0)
2250U 2.52E-10(10.0)	2252U 2.52E-10(10.0)	2254U 2.52E-10(10.0)	2256U 2.52E-10(10.0)	2258U 2.52E-10(10.0)	2260U 2.52E-10(10.0)
2260U 2.52E-10(10.0)	2262U 2.52E-10(10.0)	2264U 2.52E-10(10.0)	2266U 2.52E-10(10.0)	2268U 2.52E-10(10.0)	2270U 2.52E-10(10.0)
2270U 2.52E-10(10.0)	2272U 2.52E-10(10.0)	2274U 2.52E-10(10.0)	2276U 2.52E-10(10.0)	22	





LAMBDA	F	( WT.	SIG)	F	AVE FLUX	FROM LAM-DEL/2	TO LAM-DEL/2	F	AVE FLUX	FROM LAM-DEL/2	TO LAM-DEL/2	F	AVE FLUX	FROM LAM-DEL/2	TO LAM-DEL/2
1580U	9.99E-11	(1.0	0.0)	1582U	1.04E-10	(2.0	0.0)	1584U	1.13E-10	(2.0	0.0)	1586U	1.12E-10	(2.0	0.0)
1590U	1.05E-10	(2.0	0.0)	1592U	1.14E-10	(1.0	0.0)	1594U	9.21E-11	(1.0	0.0)	1596U	5.85E-11	(1.0	0.0)
1600U	7.65E-11	(1.0	0.0)	1602U	9.14E-11	(1.0	0.0)	1604U	9.28E-11	(1.0	0.0)	1606U	8.00E-11	(2.0	0.0)
1610U	9.35E-11	(1.0	0.0)	1612U	8.22E-11	(1.0	0.0)	1614U	7.79E-11	(1.0	0.0)	1616U	5.45E-11	(1.0	0.0)
1620U	7.95E-11	(1.0	0.0)	1622U	9.28E-11	(2.0	0.0)	1624U	8.92E-11	(3.0	0.0)	1626U	1.04E-10	(3.0	0.0)
1630U	1.01E-10	(4.0	0.0)	1632	1.15E-10	(4.0	0.0)	1634	1.18E-10	(4.0	0.0)	1636U	1.13E-10	(5.0	0.0)
1640U	1.10E-10	(4.0	0.0)	1642	1.15E-10	(4.0	0.0)	1644	1.18E-10	(4.0	0.0)	1646U	1.10E-10	(5.0	0.0)
1650U	1.18E-10	(5.0	0.0)	1652	1.17E-10	(5.0	0.0)	1654	1.05E-10	(5.0	0.0)	1656	9.99E-11	(5.0	0.0)
1660	9.63E-11	(4.0	0.0)	1662U	9.49E-11	(5.0	0.0)	1664	9.99E-11	(5.0	0.0)	1666	1.03E-10	(5.0	0.0)
1670	1.03E-10	(5.0	0.0)	1672	1.03E-10	(6.0	0.0)	1674	1.10E-10	(6.0	0.0)	1676	1.22E-10	(7.0	0.0)
1680	1.25E-10	(8.0	0.0)	1682	1.25E-10	(8.0	0.0)	1684	1.27E-10	(9.0	0.0)	1686	1.27E-10	(9.0	0.0)
1690	1.18E-10	(8.0	0.0)	1692	1.23E-10	(9.0	0.0)	1694	1.29E-10	(9.0	0.0)	1696	1.27E-10	(9.0	0.0)
1700	1.25E-10	(9.0	0.0)	1702	1.23E-10	(9.0	0.0)	1704	1.18E-10	(9.0	0.0)	1706	1.20E-10	(9.0	0.0)
1710	1.10E-10	(9.0	0.0)	1712	1.11E-10	(11.0	0.0)	1714	1.16E-10	(9.0	0.0)	1716	1.20E-10	(9.0	0.0)
1720	1.20E-10	(9.0	5.7)	1722	1.18E-10	(9.0	7.8)	1724	1.18E-10	(9.0	7.5)	1726	1.20E-10	(9.0	9.8)
1730	1.15E-10	(10.0	9.9)	1732	1.19E-10	(11.0	1.5)	1734	1.22E-10	(11.0	1.7)	1736	1.22E-10	(11.0	7.2)
1740	1.24E-10	(11.0	7.2)	1742	1.27E-10	(11.0	5.9)	1744	1.25E-10	(11.0	7.9)	1746	1.20E-10	(11.0	14.8)
1750	1.15E-10	(11.0	14.8)	1752	1.18E-10	(12.0	5.4)	1754	1.19E-10	(13.0	1.9)	1756	1.15E-10	(13.0	4.2)
1760	1.12E-10	(14.0	6.0)	1762	1.17E-10	(15.0	3.2)	1764	1.12E-10	(15.0	4.0)	1766	1.17E-10	(14.0	7.8)
1770	1.07E-10	(15.0	12.9)	1772	1.04E-10	(13.0	14.5)	1774	1.05E-10	(14.0	10.5)	1776	1.07E-10	(15.0	4.3)
1780	1.09E-10	(15.0	4.3)	1782	1.08E-10	(15.0	5.0)	1784	1.07E-10	(15.0	5.0)	1786	1.08E-10	(15.0	6.2)
1790	0.95E-10	(10.0	10.9)	1792	0.97E-10	(11.0	11.9)	1794	0.98E-10	(11.0	10.8)	1796	1.00E-10	(15.0	7.4)
1800	1.06E-10	(10.0	7.5)	1802	1.07E-10	(7.0	5.0)	1804	1.08E-10	(16.0	7.0)	1806	1.06E-10	(16.0	9.7)
1810	1.00E-10	(16.0	10.0)	1812	0.99E-10	(11.0	9.2)	1814	1.00E-10	(16.0	8.1)	1816	0.91E-10	(16.0	8.5)
1820	9.99E-11	(17.0	8.5)	1822	1.02E-10	(17.0	6.6)	1824	1.06E-10	(17.0	2.8)	1826	1.11E-10		

X,Y(MM)	8.0	6.5	SL3-248	13 SCANS, T= 218	HD 35575	WT .9, SCALE 1.01
X,Y(MM)	8.0	6.5	SL3-249	11 SCANS, T= 78	HD 35575	WT .9, SCALE .99

$$R = 1.10$$

LAMBDA F ( WT. SIG)				F = AVE FLUX FROM LAM-DEL/2 TO LAM+DEL/2															
1530U	1.20E-10	(.1	0.0)	1532U	1.48E-10	(.1	0.0)	1533U	1.69E-10	(.2	0.0)	1534U	1.00E-10	(.2	0.0)	1538U	1.46E-10	(.2	0.0)
1540U	1.18E-10	(.1	0.0)	1542U	1.25E-10	(.1	0.0)	1544U	1.73E-10	(.2	0.0)	1546U	1.82E-10	(.2	0.0)	1548U	1.50E-10	(.2	0.0)
1550U	1.05E-10	(.1	0.0)	1552U	1.25E-10	(.1	0.0)	1554U	9.59E-11	(.1	0.0)	1556U	5.15E-11	(.1	0.0)	1558U	8.89E-11	(.1	0.0)
1560U	1.43E-10	(.2	0.0)	1562U	1.53E-10	(.2	0.0)	1564U	1.04E-10	(.2	0.0)	1566U	1.29E-10	(.3	0.0)	1568	1.84E-10	(.3	0.0)
1570	1.84E-10	(.4	0.0)	1572U	1.69E-10	(.4	0.0)	1574	1.85E-10	(.5	0.0)	1576	2.04E-10	(.5	0.0)	1578	2.15E-10	(.6	0.0)
1580	2.11E-10	(.6	0.0)	1582	1.80E-10	(.5	0.0)	1584	1.77E-10	(.5	0.0)	1586	1.87E-10	(.6	0.0)	1588	1.97E-10	(.6	0.0)
1590	1.90E-10	(.6	0.0)	1592	1.65E-10	(.5	0.0)	1594	1.60E-10	(.5	0.0)	1596	1.71E-10	(.6	0.0)	1598	1.73E-10	(.6	0.0)
1600U	1.71E-10	(.6	0.0)	1602	1.66E-10	(.6	0.0)	1604	1.63E-10	(.5	0.0)	1606	1.46E-10	(.5	0.0)	1608U	1.27E-10	(.4	0.0)
1610U	1.33E-10	(.5	0.0)	1612	1.24E-10	(.4	0.0)	1614	1.29E-10	(.5	0.0)	1616	1.44E-10	(.5	0.0)	1618	1.45E-10	(.6	0.0)
1620	1.50E-10	(.5	0.0)	1622	1.25E-10	(.5	0.0)	1624	1.42E-10	(.6	0.0)	1626	1.60E-10	(.6	0.0)	1628	1.62E-10	(.7	0.0)
1630	1.59E-10	(.7	0.0)	1632	1.50E-10	(.7	0.0)	1634	1.57E-10	(.8	0.0)	1636	1.70E-10	(.9	0.0)	1638	1.68E-10	(.9	0.0)
1640	1.54E-10	(.8	0.0)	1642	1.56E-10	(.8	0.0)	1644	1.66E-10	(.9	0.0)	1646	1.68E-10	(.9	0.0)	1648	1.64E-10	(.9	0.0)
1650	1.52E-10	(.8	0.0)	1652	1.45E-10	(.7	0.0)	1654	1.31E-10	(.7	0.0)	1656	1.16E-10	(.6	0.0)	1658	1.17E-10	(.6	0.0)
1660	1.18E-10	(.6	0.0)	1662	1.14E-10	(.6	0.0)	1664	1.20E-10	(.7	0.0)	1666	1.46E-10	(.9	0.0)	1668	1.61E-10	(.9	0.0)
1670	1.60E-10	(.9	0.0)	1672	1.57E-10	(.9	0.0)	1674	1.55E-10	(.9	0.0)	1676	1.59E-10	(.9	0.0)	1678	1.58E-10	(.9	0.0)
1680	1.50E-10	(.9	0.0)	1682	1.43E-10	(.9	1.5)	1684	1.44E-10	(.9	1.9)	1686	1.48E-10	(.9	3.5)	1688	1.44E-10	(.9	4.4)
1690	1.46E-10	(.9	5.6)	1692	1.55E-10	(.9	3.1)	1694	1.47E-10	(1.0	4.5)	1696	1.39E-10	(1.0	9.2)	1698	1.46E-10	(1.0	5.2)
1700	1.53E-10	(1.0	5.6)	1702	1.45E-10	(.9	10.1)	1704	1.35E-10	(.9	10.5)	1706	1.44E-10	(.9	10.0)	1708	1.40E-10	(.9	10.0)
1710	1.35E-10	(1.0	5.0)	1712	1.35E-10	(1.0	7.5)	1714	1.37E-10	(1.0	7.6)	1716	1.37E-10	(1.1	4.2)	1718	1.45E-10	(1.2	3.8)
1720	1.49E-10	(1.2	5.7)	1722	1.39E-10	(1.2	4.1)	1724	1.39E-10	(1.1	14.8)	1726	1.48E-10	(1.0	16.7)	1728	1.48E-10	(1.0	14.4)
1730	1.39E-10	(1.0	18.0)	1732	1.38E-10	(1.0	20.6)	1734	1.44E-10	(1.0	18.0)	1736	1.43E-10	(1.0	18.0)	1738	1.41E-10	(1.1	18.5)
1740	1.45E-10	(1.2	13.9)	1742	1.46E-10	(1.3	7.4)	1744	1.42E-10	(1.3	3.5)	1746	1.35E-10	(1.2	9.1)	1748	1.31E-10	(1.1	19.9)
1750	1.30E-10	(1.1	21.9)	1752	1.32E-10	(1.2	15.3)	1754	1.37E-10	(1.3	7.2)	1756	1.39E-10	(1.3	7.8)	1758	1.34E-10	(1.3	11.0)
1760	1.30E-10	(1.3	13.0)	1762	1.29E-10	(1.2	14.9)	1764	1.29E-10	(1.3	16.6)	1766	1.34E-10	(1.4	13.7)	1768	1.39E-10	(1.5	7.1)
1770	1.33E-10	(1.3	2.8)	1772	1.32E-10	(1.5	1.8)	1774	1.28E-10	(1.4	1.8)	1776	1.26E-10	(1.3	17.5)	1778	1.27E-10	(1.3	21.7)
1780	1.30E-10	(1.3	1.9)	1782	1.30E-10	(1.4	1.8)	1784	1.30E-10	(1.5	9.3)	1786	1.28E-10	(1.4	13.7)	1788	1.28E-10	(1.5	6.5)
1790	1.22E-10	(1.5	7.7)	1792	1.19E-10	(1.5	8.8)	1794	1.22E-10	(1.5	9.4)	1796	1.26E-10	(1.6	6.3)	1798	1.26E-10	(1.7	1.1)
1800	1.28E-10	(1.7	.2)	1802	1.32E-10	(1.7	0.0)	1804	1.39E-10	(1.7	1.3)	1806	1.43E-10	(1.7	2.8)	1808	1.39E-10	(1.7	2.7)
1810	1.36E-10	(1.7	1.5)	1812	1.35E-10	(1.7	.3)	1814	1.35E-10	(1.7	1.1)	1816	1.34E-10	(1.7	1.0)	1818	1.34E-10	(1.7	.9)
1820	1.34E-10	(1.7	1.9)	1822	1.32E-10	(1.7	3.3)	1824	1.29E-10	(1.7	3.1)	1826	1.26E-10	(1.7	2.2)	1828	0.0	(.0	0.0)
1800	1.28E-10	(1.7	.6)	1805	1.41E-10	(1.7	1.8)	1810	1.37E-10	(1.7	1.5)	1815	1.34E-10	(1.7	.8)	1820	1.33E-10	(1.7	2.2)
1825	1.28E-10	(1.7	2.8)	1830	1.25E-10	(1.7	.7)	1835	1.25E-10	(1.7	1.0)	1840	1.29E-10	(1.7	3.8)	1845	1.31E-10	(1.7	1.7)
1850	1.21E-10	(1.7	2.8)	1855	1.10E-10	(1.7	.6)	1860	1.15E-10	(1.7	5.0)	1865	1.18E-10	(1.7	4.0)	1870	1.14E-10	(1.7	5.8)
1875	1.14E-10	(1.7	2.6)	1880	1.10E-10	(1.7	3.9)	1885	1.04E-10	(1.7	2.0)	1890	1.02E-10	(1.7	4.4)	1895	9.60E-11	(1.7	4.5)
1900	9.69E-11	(1.7	6.9)	1905	9.67E-11	(1.7	.6)	1910	9.46E-11	(1.7	.8)	1915	9.69E-11	(1.7	1.5)	1920	1.02E-10	(1.7	4.4)
1925	1.04E-10	(1.7	2.8)	1930	9.90E-11	(1.7	2.9)	1935	9.42E-11	(1.7	4.2)	1940	9.63E-11	(1.7	2.9)	1945	9.96E-11	(1.7	6.2)
1950	9.93E-11	(1.7	7.4)	1955	9.88E-11	(1.7	7.1)	1960	9.79E-11	(1.7	2.8)	1965	9.98E-11	(1.7	0.0)	1970	9.76E-11	(1.7	0.0)
1975	9.40E-11	(1.7	.9)	1980	9.10E-11	(1.7	.7)	1985	9.17E-11	(1.7	1.6)	1990	9.34E-11	(1.7	2.1)	1995	9.19E-11	(1.7	4.6)
2000	9.02E-11	(1.7	6.5)	2005	8.95E-11	(1.7	6.6)	2010	9.13E-11	(1.7	4.5)	2015	9.61E-11	(1.7	1.6)	2020	9.71E-11	(1.7	.1)
2025	9.01E-11	(1.7	2.1)	2030	8.69E-11	(1.7	6.2)	2035	8.57E-11	(1.7	6.2)	2040	8.35E-11	(1.7	6.2)	2045	9.16E-11	(1.7	8.7)
2050	9.01E-11	(1.7	.7)	2055	8.60E-11	(1.7	6.0)	2060	8.51E-11	(1.7	4.0)	2065	9.61E-11	(1.7	6.2)	2070	1.28E-10	(1.7	6.2)
2075	8.53E-11	(1.6	2.3)	2080	8.66E-11	(1.6	2.8)	2085	8.60E-11	(1.6	6.0)	2090	8.48E-11	(1.6	10.0)	2095	8.52E-11	(1.6	10.2)
2100	8.86E-11	(1.6	3.8)	2105	9.01E-11	(1.5	4.1)	2110	9.03E-11	(1.5	6.3)	2115	8.89E-11	(1.4	2.4)	2120	8.60E-11	(1.4	1.4)
2125	8.29E-11	(1.4	2.1)	2130	8.11E-11	(1.4	2.2)	2135	8.01E-11	(1.3	1.4)	2140	8.04E-11	(1.3	3.4)	2145	8.26E-11	(1.3	3.7)
2150	8.40E-11	(1.2	2.0)	2155	8.43E-11	(1.2	1.7)	2160	8.40E-11	(1.2	3.2)	2165	8.43E-11	(1.1	1.1)	2170	8.16E-11	(1.1	1.7)
2175	7.97E-11	(1.1	4.7)	2180	8.03E-11	(1.1	4.3)	2185	8.05E-11	(1.0	3.2)	2190	7.79E-11	(1.0	3.2)	2195	7.54E-11	(1.0	3.3)
2200	7.49E-11	(1.0	4.8)	2205	7.46E-11	(.9	3.7)	2210	7.47E-11	(.9	2.8)	2215	7.62E-11	(.9	1.1)	2220	7.80E-11	(.9	.3)
2225	7.80E-11	(.9	0.0)	2230	7.72E-11	(.9	0.0)	2235	7.50E-11	(.9	0.0)	2240	7.30E-11	(.9	0.0)	2245	7.23E-11	(.9	0.0)
2250	7.21E-11	(.9	0.0)	2255	7.14E-11	(.9	0.0)	2260	6.93E-11	(.9	0.0)	2265	6.44E-11	(.9	0.0)	2270	6.22E-11	(.9	0.0)
2275	7.19E-11	(.9	0.0)	2280	7.42E-11	(.9	0.0)	2285	7.57E-11	(.8	0.0)	2290	7.47E-11	(.8	0.0)	2295	7.23E-11	(.8	0.0)
2300	6.93E-11	(.8	0.0)	2305	6.81E-11	(.8	0.0)	2310	6.76E-11	(.8	0.0)	2315	6.63E-11	(.8	0.0)	2320	0.0	(.0	0.0)
2300	6.94E-11	(.8	0.0)	2310	6.71E-11	(.8	0.0)	2320	6.46E-11	(.8	0.0)	2330	6.49E-11	(.8	0.0)	2340	6.74E-11	(.8	0.0)
2350	6.50E-11	(.8	0.0)	2360	6.29E-11	(.8	0.0)	2370	6.39E-11	(.8	0.0)	2380	6.20E-11	(.8	0.0)	2390	5.69E-11	(.8	0.0)
2400	5.67E-11	(.8	0.0)	2410	5.73E-11	(.8	0.0)	2420	5.65E-11	(.8	0.0)	2430	5.80E-11	(.7	0.0)	2440	5.77E-11	(.7	0.0)
2450	5.67E-11	(.8	0.0)	2460	5.39E-11	(.7	0.0)	2470	5.66E-11	(.7	0.0)	2480	5.25E-11	(.7	0.0)	2490	6.35E-11	(.7	0.0)
2500	5.98E-11	(.7	0.0)	2510	5.92E-11	(.7	0.0)	2520	4.93E-11	(.7	0.0)	2530	5.13E-11	(.7	0.0)	2540	5.11E-11	(.7	0.0)
2550	5.15E-11	(.7	0.0)	2560	4.86E-11	(.7	0.0)	2570	4.72E-11	(.7	0.0)	2580	4.82E-11	(.7	0.0)	2590	5.07E-11	(.7	0.0)
2600	5.23E-11	(.7	0.0)	2610	5.32E-11	(.6	0.0)	2620	5.28E-11	(.6	0.0)	2630	5.17E-11	(.6	0.0)	2640	5.04E-11	(.6	0.0)
2650	4.95E-11	(.6	0.0)	2660	4.87E-11	(.6	0.0)	2670	4.99E-11	(.6	0.0)	2680	4.90E-11	(.6	0.0)	2690	4.78E-11	(.6	0.0)
2700	4.75E-11	(.6	0.0)	2710	4.82E-11	(.6	0.0)	2720	4.74E-11	(.6	0.0)	2730	4.62E-11	(.6	0.0)	2740	4.46E-11	(.6	0.0)
2750	4.49E-11	(.6	0.0)	2760	4.42E-11	(.6	0.0)	2770	4.53E-11	(.6	0.0)	2780	4.68E-11	(.6	0.0)	2790	4.63E-11	(.6	0.0)
2800	4.55E-11	(.6	0.0)	2810	4.30E-11	(.6	0.0)	2820	4.22E-11	(.6	0.0)	2830	4.18E-11	(.6	0.0)	2840	4.17E-11	(.6	0.0)
2850	4.55E-11	(.5	0.0)	2860	4.22E-11	(.6	0.0)	2870	4.37E-11	(.5	0.0)	2880	4.51E-11	(.6	0.0)	2890	4.49E-11	(.5	0.0)
2900	4.36E-11	(.5	0.0)	2910	4.35E-11	(.5	0.0)	2920	4.38E-11	(.5	0.0)	2930	4.24E-11	(.5	0.0)	2940	4.14E-11	(.5	0.0)
2950	3.99E-11	(.6	0.0)	2960															

LAMBDA	F	(WT)	S(G)	F = AVE FLUX	FROM LAM-DEL/2	TO LAM+DEL/2
1550	0.0	(0.0)	(0.0)	1552	0.0	(0.0)
1560U	4.14E-10	(.3)	(0.0)	1562	4.72E-10	(.3)
1570	5.85E-10	(.5)	(0.0)	1572	5.92E-10	(.5)
1580	6.89E-10	(.7)	(0.0)	1582	7.23E-10	(.7)
1590	6.20E-10	(.7)	(0.0)	1592	7.16E-10	(.7)
1600	6.86E-10	(.7)	(0.0)	1602	6.45E-10	(.7)
1610	5.95E-10	(.7)	(0.0)	1612	5.49E-10	(.7)
1620	7.36E-10	(.7)	(0.0)	1622	7.00E-10	(.7)
1630	7.37E-10	(.7)	(0.0)	1632	7.66E-10	(.7)
1640	7.83E-10	(.7)	(0.0)	1642	7.75E-10	(.7)
1650	7.99E-10	(.7)	(0.0)	1652	8.08E-10	(.7)
1660	7.27E-10	(.7)	(0.0)	1662	7.21E-10	(.7)
1670	7.28E-10	(.7)	(0.0)	1672	7.51E-10	(.7)
1680	7.12E-10	(.7)	(0.0)	1682	6.72E-10	(.7)
1690	8.11E-10	(.7)	(0.0)	1692	7.94E-10	(.7)
1700	7.15E-10	(.7)	(0.0)	1702	7.25E-10	(.7)
1710	7.20E-10	(.7)	(0.0)	1712	6.85E-10	(.7)
1720	6.43E-10	(.7)	(0.0)	1722	6.45E-10	(.7)
1730	6.82E-10	(.7)	(0.0)	1732	6.58E-10	(.7)
1740	6.56E-10	(.7)	(0.0)	1742	6.41E-10	(.7)
1750	5.60E-10	(.7)	(0.0)	1752	5.98E-10	(.7)
1760	5.88E-10	(.7)	(0.0)	1762	5.87E-10	(.7)
1770	5.44E-10	(.7)	(0.0)	1772	5.11E-10	(.7)
1780	5.65E-10	(.7)	(0.0)	1782	5.67E-10	(.7)
1790	5.05E-10	(.7)	(0.0)	1792	5.09E-10	(.7)
1800	5.01E-10	(.7)	(0.0)	1802	5.16E-10	(.7)
1810	5.02E-10	(.7)	(0.0)	1812	4.30E-10	(.7)
1820	5.38E-10	(.7)	(0.0)	1822	5.30E-10	(.7)
1800	5.04E-10	(.7)	(0.0)	1805	5.40E-10	(.7)
1825	5.11E-10	(.7)	(0.0)	1830	4.99E-10	(.7)
1850	4.38E-10	(.7)	(0.0)	1855	4.93E-10	(.7)
1875	4.63E-10	(.7)	(0.0)	1880	4.05E-10	(.7)
1900	4.91E-10	(.7)	(0.0)	1922	4.19E-10	(.7)
1925	4.28E-10	(.7)	(0.0)	1930	4.54E-10	(.7)
1950	4.03E-10	(.7)	(0.0)	1955	3.42E-10	(.7)
1975	3.76E-10	(.7)	(0.0)	1980	3.79E-10	(.7)
2000	3.84E-10	(.6)	(0.0)	2005	4.27E-10	(.6)
2025	3.99E-10	(.6)	(0.0)	2030	3.98E-10	(.6)
2050	3.03E-10	(.6)	(0.0)	2055	3.11E-10	(.6)
2075	4.11E-10	(.5)	(0.0)	2080	3.97E-10	(.5)
2100	3.12E-10	(.5)	(0.0)	2105	3.06E-10	(.5)
2125	3.18E-10	(.5)	(0.0)	2130	3.09E-10	(.5)
2150	3.57E-10	(.4)	(0.0)	2155	3.54E-10	(.4)
2175	2.86E-10	(.5)	(0.0)	2180	2.88E-10	(.5)
2200	2.95E-10	(.4)	(0.0)	2205	2.92E-10	(.4)
2225	3.29E-10	(.4)	(0.0)	2230	3.25E-10	(.4)
2250	3.24E-10	(.4)	(0.0)	2255	3.02E-10	(.4)
2275	2.95E-10	(.4)	(0.0)	2280	2.87E-10	(.4)
2300	3.19E-10	(.3)	(0.0)	2305	3.04E-10	(.4)
2300	3.09E-10	(.4)	(0.0)	2310	2.89E-10	(.4)
2350	2.87E-10	(.3)	(0.0)	2360E	2.90E-10	(.3)
2400	2.54E-10	(.3)	(0.0)	2410	2.60E-10	(.3)
2450E	3.13E-10	(.3)	(0.0)	2460E	3.21E-10	(.2)
2500E	2.58E-10	(.3)	(0.0)	2510E	2.69E-10	(.3)
2550E	2.76E-10	(.2)	(0.0)	2560E	2.74E-10	(.2)
2600E	2.97E-10	(.2)	(0.0)	2610E	3.11E-10	(.2)
2650E	2.74E-10	(.2)	(0.0)	2660E	2.77E-10	(.2)
2700E	2.93E-10	(.2)	(0.0)	2710E	2.81E-10	(.2)
2750E	2.21E-10	(.2)	(0.0)	2760E	2.14E-10	(.2)
2800E	3.50E-10	(.1)	(0.0)	2810E	3.51E-10	(.1)
2850E	3.10E-10	(.1)	(0.0)	2860E	3.22E-10	(.1)
2900E	3.95E-10	(.1)	(0.0)	2910E	3.44E-10	(.1)
2950E	2.72E-10	(.1)	(0.0)	2960E	2.76E-10	(.1)
3000E	2.85E-10	(.1)	(0.0)	3010E	2.70E-10	(.1)
3000E	2.79E-10	(.1)	(0.0)	3020E	2.67E-10	(.1)
3100E	2.67E-10	(.1)	(0.0)	3120E	2.80E-10	(.1)
3200E	2.68E-10	(.1)	(0.0)	3220E	2.75E-10	(.1)
135	0.00(0.0)	(0.0)	(0.0)	139	0.00(0.0)	(0.0)
166	1.70(0.7)	(0.0)	(0.0)	172	1.85(0.7)	(0.0)
219	2.65(0.4)	(0.0)	(0.0)	245E	2.77(0.3)	(0.0)
148	0.00(0.0)	(0.0)	(0.0)	181	2.14(0.7)	(0.0)
154	0.00(0.0)	(0.0)	(0.0)	280E	2.74(0.1)	(0.0)
161	1.78(0.7)	(0.0)	(0.0)	192	2.35(0.7)	(0.0)
204	2.47(0.6)	(0.0)	(0.0)	360	0.00(0.0)	(0.0)
0	0.00(0.0)	(0.0)	(0.0)	0	0.00(0.0)	(0.0)

X,Y(MM) 12.5 2.9 SL4- 49 19 SCANS, T= 77 114 TAU WT .7,SCALE 1.00

R = 0.89

HD 35715

PSI ORI

HD 35715

LAMBDA	F	(WT)	SIG	F - AVE FLUX	FROM LAM-DEL/2	TO LAM+DEL/2													
1490	1.32E-09	.3	0.0	1492	1.43E-09	.3	0.0	1494U	1.27E-09	.3	0.0	1496	1.23E-09	.3	0.0	1498U	1.09E-09	.3	0.0
1500	1.33E-09	.3	0.0	1502	1.29E-09	.4	0.0	1504	1.39E-09	.4	0.0	1506	1.29E-09	.4	0.0	1508	1.33E-09	.4	0.0
1510	1.26E-09	.4	0.0	1512	1.21E-09	.4	0.0	1514	1.24E-09	.4	0.0	1516U	1.09E-09	.3	0.0	1518U	1.02E-09	.2	0.0
1520U	6.88E-10	.2	0.0	1522U	6.00E-10	.2	0.0	1524U	9.70E-10	.2	0.0	1526	1.03E-09	.3	0.0	1528U	8.29E-10	.3	0.0
1530U	8.86E-10	.3	0.0	1532U	8.87E-10	.3	0.0	1534U	8.45E-10	.3	0.0	1536U	8.53E-10	.3	0.0	1538U	7.56E-10	.3	0.0
1540U	7.64E-10	.3	0.0	1542U	7.92E-10	.3	0.0	1544U	7.89E-10	.3	0.0	1546U	7.16E-10	.2	0.0	1548U	6.77E-10	.2	0.0
1550U	6.95E-10	.3	0.0	1552	9.01E-10	.3	0.0	1554	9.22E-10	.4	0.0	1556	8.80E-10	.4	0.0	1558U	8.73E-10	.4	0.0
1560	9.41E-10	.4	0.0	1562	1.04E-09	.5	0.0	1564	1.11E-09	.5	0.0	1566	1.00E-09	.5	0.0	1568	9.24E-10	.4	0.0
1570	9.13E-10	.4	0.0	1572	9.10E-10	.4	0.0	1574	9.56E-10	.4	0.0	1576	9.85E-10	.5	0.0	1578	9.59E-10	.5	0.0
1580	9.34E-10	.5	0.0	1582	9.82E-10	.5	0.0	1584	1.04E-09	.5	0.0	1586	1.01E-09	.6	0.0	1588	1.13E-09	.7	0.0
1590	1.22E-09	.7	0.0	1592	1.20E-09	.7	0.0	1594	1.14E-09	.7	0.0	1596	1.09E-09	.6	0.0	1598	1.07E-09	.6	0.0
1600	1.12E-09	.7	0.0	1602	1.15E-09	.7	0.0	1604	1.17E-09	.7	0.0	1606	1.15E-09	.7	0.0	1608	1.01E-09	.7	0.0
1610	1.00E-09	.7	0.0	1612	1.10E-09	.7	0.0	1614	9.95E-10	.6	0.0	1616	8.61E-10	.5	0.0	1618	8.45E-10	.5	0.0
1620	8.29E-10	.5	0.0	1622	8.16E-10	.5	0.0	1624	7.77E-10	.5	0.0	1626	7.97E-10	.5	0.0	1628	9.21E-10	.6	0.0
1630	1.04E-09	.7	0.0	1632	9.84E-10	.7	0.0	1634	1.02E-09	.7	0.0	1636	1.12E-09	.7	0.0	1638	1.10E-09	.7	0.0
1640	1.09E-09	.7	0.0	1642	1.14E-09	.7	0.0	1644	1.20E-09	.7	0.0	1646	1.16E-09	.7	0.0	1648	1.11E-09	.7	0.0
1650	1.12E-09	.7	0.0	1652	1.15E-09	.7	0.0	1654	1.18E-09	.7	0.0	1656	1.31E-09	.7	0.0	1658	1.38E-09	.7	0.0
1660	1.33E-09	.7	0.0	1662	1.30E-09	.7	0.0	1664	1.37E-09	.7	0.0	1666	1.37E-09	.7	0.0	1668	1.35E-09	.7	0.0
1670	1.32E-09	.7	0.0	1672	1.37E-09	.7	0.0	1674	1.42E-09	.7	0.0	1676	1.38E-09	.7	0.0	1678	1.30E-09	.7	0.0
1680	1.22E-09	.7	0.0	1682	1.23E-09	.7	0.0	1684	1.31E-09	.7	0.0	1686	1.39E-09	.7	0.0	1688	1.43E-09	.7	0.0
1690	1.39E-09	.7	0.0	1692	1.27E-09	.7	0.0	1694	1.19E-09	.7	0.0	1696	1.21E-09	.7	0.0	1698	1.27E-09	.7	0.0
1700	1.24E-09	.7	0.0	1702	1.17E-09	.7	0.0	1704	1.13E-09	.7	0.0	1706	1.18E-09	.7	0.0	1708	1.21E-09	.7	0.0
1710	1.18E-09	.7	0.0	1712	1.17E-09	.7	0.0	1714	1.19E-09	.7	0.0	1716	1.20E-09	.7	0.0	1718	1.17E-09	.7	0.0
1720	1.17E-09	.7	0.0	1722	1.19E-09	.7	0.0	1724	1.22E-09	.7	0.0	1726	1.21E-09	.7	0.0	1728	1.18E-09	.7	0.0
1730	1.16E-09	.7	0.0	1732	1.13E-09	.7	0.0	1734	1.13E-09	.7	0.0	1736	1.15E-09	.7	0.0	1738	1.16E-09	.7	0.0
1740	1.15E-09	.7	0.0	1742	1.13E-09	.7	0.0	1744	1.12E-09	.7	0.0	1746	1.15E-09	.7	0.0	1748	1.23E-09	.7	0.0
1750	1.11E-09	.7	0.0	1752	1.17E-09	.7	0.0	1754	1.20E-09	.7	0.0	1756	1.20E-09	.7	0.0	1758	1.22E-09	.7	0.0
1760	1.25E-09	.7	0.0	1762	1.23E-09	.7	0.0	1764	1.17E-09	.7	0.0	1766	1.13E-09	.7	0.0	1768	1.10E-09	.7	0.0
1770	1.06E-09	.7	0.0	1772	1.03E-09	.7	0.0	1774	1.04E-09	.7	0.0	1776	1.08E-09	.7	0.0	1778	1.12E-09	.7	0.0
1780	1.13E-09	.7	0.0	1782	1.11E-09	.7	0.0	1784	1.09E-09	.7	0.0	1786	1.06E-09	.7	0.0	1788	1.05E-09	.7	0.0
1790	1.04E-09	.7	0.0	1792	1.04E-09	.7	0.0	1794	1.04E-09	.7	0.0	1796	1.02E-09	.7	0.0	1798	1.01E-09	.7	0.0
1800	1.02E-09	.7	0.0	1802	1.04E-09	.7	0.0	1804	1.07E-09	.7	0.0	1806	1.08E-09	.7	0.0	1808	1.08E-09	.7	0.0
1810	1.04E-09	.7	0.0	1812	1.00E-09	.7	0.0	1814	1.06E-09	.7	0.0	1816	9.81E-10	.7	0.0	1818	9.79E-10	.7	0.0
1820	9.75E-10	.7	0.0	1822	9.68E-10	.7	0.0	1824	9.69E-10	.7	0.0	1826	9.70E-10	.7	0.0	1828	0.0	.0	0.0
1830	1.02E-09	.7	0.0	1835	1.07E-09	.7	0.0	1840	1.04E-09	.7	0.0	1845	9.84E-10	.7	0.0	1850	9.74E-10	.7	0.0
1835	9.70E-10	.7	0.0	1840	9.91E-10	.7	0.0	1845	1.03E-09	.7	0.0	1850	1.05E-09	.7	0.0	1855	9.56E-10	.7	0.0
1850	9.69E-10	.7	0.0	1855	9.54E-10	.7	0.0	1860	9.04E-10	.7	0.0	1865	8.71E-10	.7	0.0	1870	8.65E-10	.7	0.0
1875	8.50E-10	.7	0.0	1880	8.33E-10	.7	0.0	1885	8.91E-10	.7	0.0	1890	9.05E-10	.7	0.0	1895	8.30E-10	.7	0.0
1900	8.28E-10	.7	0.0	1905	7.98E-10	.7	0.0	1910	7.77E-10	.7	0.0	1915	7.91E-10	.7	0.0	1920	7.55E-10	.7	0.0
1925	7.71E-10	.7	0.0	1930	7.72E-10	.7	0.0	1935	7.94E-10	.7	0.0	1940	8.19E-10	.7	0.0	1945	8.88E-10	.7	0.0
1950	8.44E-10	.7	0.0	1955	7.79E-10	.7	0.0	1960	7.89E-10	.7	0.0	1965	7.81E-10	.7	0.0	1970	7.22E-10	.7	0.0
1975	7.06E-10	.7	0.0	1980	7.15E-10	.7	0.0	1985	7.19E-10	.7	0.0	1990	7.23E-10	.7	0.0	1995	7.05E-10	.7	0.0
2000	6.95E-10	.7	0.0	2005	7.01E-10	.7	0.0	2010	7.05E-10	.7	0.0	2015	6.90E-10	.7	0.0	2020	6.73E-10	.7	0.0
2025	6.90E-10	.7	0.0	2030	7.03E-10	.7	0.0	2035	6.83E-10	.7	0.0	2040	6.69E-10	.7	0.0	2045	6.86E-10	.7	0.0
2050	6.95E-10	.7	0.0	2055	6.74E-10	.7	0.0	2060	6.32E-10	.7	0.0	2065	5.92E-10	.7	0.0	2070	5.72E-10	.7	0.0
2075	5.57E-10	.7	0.0	2080	5.73E-10	.7	0.0	2085	6.24E-10	.6	0.0	2090	6.47E-10	.6	0.0	2095	6.18E-10	.6	0.0
2100	5.77E-10	.6	0.0	2105	5.75E-10	.7	0.0	2110	5.27E-10	.6	0.0	2115	5.33E-10	.6	0.0	2120	5.58E-10	.6	0.0
2125	5.21E-10	.6	0.0	2130	5.25E-10	.6	0.0	2135	5.27E-10	.6	0.0	2140	5.33E-10	.6	0.0	2145	5.58E-10	.6	0.0
2150	5.79E-10	.6	0.0	2155	5.60E-10	.6	0.0	2160	5.22E-10	.6	0.0	2165	5.07E-10	.6	0.0	2170	5.07E-10	.6	0.0
2175	5.03E-10	.6	0.0	2180	5.09E-10	.5	0.0	2185	5.29E-10	.5	0.0	2190	5.40E-10	.5	0.0	2195	5.26E-10	.5	0.0
2200	5.07E-10	.5	0.0	2205	5.18E-10	.5	0.0	2210	5.59E-10	.5	0.0	2215	5.84E-10	.5	0.0	2220	5.61E-10	.5	0.0
2225	5.26E-10	.5	0.0	2230	5.06E-10	.5	0.0	2235	4.92E-10	.5	0.0	2240	4.66E-10	.5	0.0	2245	4.38E-10	.5	0.0
2250	4.14E-10	.5	0.0	2255	3.98E-10	.5	0.0	2260	3.94E-10	.5	0.0	2265	4.08E-10	.5	0.0	2270	4.35E-10	.5	0.0
2275	4.63E-10	.5	0.0	2280	4.80E-10	.5	0.0	2285	4.79E-10	.5	0.0	2290	4.58E-10	.5	0.0	2295	4.33E-10	.5	0.0
2300	4.20E-10	.5	0.0	2305	4.26E-10	.5	0.0	2310	4.38E-10	.5	0.0	2315	4.39E-10	.5	0.0	2320	0.0	.0	0.0
2330	4.22E-10	.5	0.0	2335	4.37E-10	.5	0.0	2340	4.19E-10	.5	0.0	2345	3.87E-10	.5	0.0	2350	4.11E-10	.5	0.0
2350	4.16E-10	.5	0.0	2355	3.87E-10	.5	0.0	2360	3.76E-10	.5	0.0	2365	3.88E-10	.4	0.0	2370	4.20E-10	.4	0.0
2400	4.47E-10	.4	0.0	2410	4.41E-10	.4	0.0	2420	4.19E-10	.4	0.0	2430	3.95E-10	.4	0.0	2440	3.94E-10	.4	0.0
2450	4.36E-10	.4	0.0	2460	4.65E-10	.4	0.0	2470	4.33E-10	.4	0.0	2480	3.85E-10	.4	0.0	2490	3.68E-10	.4	0.0
2500	3.77E-10	.4	0.0	2510	3.74E-10	.4	0.0	2520	3.48E-10	.4	0.0	2530	3.38E-10	.4	0.0	2540	3.54E-10	.4	0.0
2550	3.71E-10	.4	0.0	2560	3.72E-10	.3	0.0	2570	3.68E-10	.3	0.0	2580	3.68E-10	.3	0.0	2590	3.58E-10	.3	0.0
2600	3.29E-10	.3	0.0	2610	3.11E-10	.3	0.0	2620	3.22E-10	.3	0.0	2630	3.44E-10	.3	0.0	2640	3.48E-10	.3	0.0
2650	3.38E-10	.3	0.0	2660	3.45E-10	.3	0.0	2670	3.83E-10	.3	0.0	2680	4.31E-10	.3	0.0	2690	4.43E-10	.3	0.0
2700	4.08E-10	.3	0.0	2710	3.64E-10	.3	0.0	2720	3.40E-10	.3	0.0	2730	3.36E-10	.3	0.0	2740	3.33E-10	.3	0.0
2750	3.14E-10	.3	0.0	2760	2.81E-10	.3	0.0	2770	2.57E-10	.3	0.0	2780	2.59E-10	.3	0.0	2790	2.86E-10	.3	0.0
2800	3.18E-10	.3	0.0	2810	3.38E-10	.3	0.0	2820	3.43E-10	.3	0.0	2830	3.4						

P. 1 30

$$R = 0.91$$

$R = 0.87$ 

X,Y(MM) 16.0 11.1 SL3-268 18 SCANS. T= 77: HR 1840 WT 1.0 SCALE .99



$$R = 0.78$$

LAMBDA F ( W. SIG)				F = AVE FLUX FROM LAM-DEL/2 TO LAM+DEL/2															
1660.	2.63E-10	(.5	0.0)	1662.	2.82E-10	(.6	0.0)	1664.	3.02E-10	(.6	0.0)	1666.	3.15E-10	(.7	0.0)	1668.	3.15E-10	(.7	0.0)
1670.	3.07E-10	(.7	0.0)	1672.	3.03E-10	(.7	0.0)	1674.	2.91E-10	(.7	0.0)	1676.	2.88E-10	(.6	0.0)	1678.	2.95E-10	(.7	0.0)
1680.	3.04E-10	(.7	0.0)	1682.	2.99E-10	(.7	0.0)	1684.	2.82E-10	(.7	0.0)	1686.	2.87E-10	(.7	0.0)	1688.	3.07E-10	(.8	0.0)
1690.	3.10E-10	(.8	0.0)	1692.	3.13E-10	(.9	0.0)	1694.	3.32E-10	(1.0	0.0)	1696.	3.30E-10	(1.0	0.0)	1698.	3.03E-10	(.9	0.0)
1700.	3.07E-10	(.8	0.0)	1702.	3.23E-10	(1.0	0.0)	1704.	3.17E-10	(1.0	0.0)	1706.	2.93E-10	(.9	0.0)	1708.	2.83E-10	(.9	0.0)
1710.	2.81E-10	(1.0	0.0)	1712.	2.75E-10	(1.0	0.0)	1714.	2.98E-10	(1.0	0.0)	1716.	2.81E-10	(1.0	0.0)	1718.	2.55E-10	(.9	0.0)
1720.	2.61E-10	(.8	0.0)	1722.	2.77E-10	(1.0	0.0)	1724.	2.72E-10	(1.0	0.0)	1726.	2.88E-10	(.8	0.0)	1728.	2.50E-10	(.8	0.0)
1730.	2.46E-10	(.8	0.0)	1732.	2.37E-10	(.9	0.0)	1734.	2.33E-10	(1.0	0.0)	1736.	2.25E-10	(.9	0.0)	1738.	2.25E-10	(.9	0.0)
1740.	2.32E-10	(1.0	0.0)	1742.	2.40E-10	(1.0	0.0)	1744.	2.39E-10	(1.0	0.0)	1746.	2.34E-10	(1.0	0.0)	1748.	2.37E-10	(1.0	0.0)
1750.	2.51E-10	(1.0	0.0)	1752.	2.63E-10	(1.0	0.0)	1754.	2.67E-10	(1.0	0.0)	1756.	2.55E-10	(1.0	0.0)	1758.	2.42E-10	(1.0	0.0)
1760.	2.40E-10	(1.0	0.0)	1762.	2.37E-10	(1.0	0.0)	1764.	2.27E-10	(1.0	2.5)	1766.	2.18E-10	(1.0	2.9)	1768.	2.19E-10	(1.0	3.8)
1770.	2.28E-10	(1.0	4.6)	1772.	2.29E-10	(1.0	5.3)	1774.	2.18E-10	(1.0	6.1)	1776.	2.10E-10	(1.0	7.0)	1778.	2.19E-10	(1.1	7.3)
1780.	2.28E-10	(1.1	4.5)	1782.	2.27E-10	(1.1	4.4)	1784.	2.15E-10	(1.1	8.9)	1786.	2.09E-10	(1.1	11.6)	1788.	2.10E-10	(1.1	11.2)
1790.	2.17E-10	(1.1	8.8)	1792.	2.07E-10	(1.1	9.4)	1794.	2.09E-10	(1.1	9.7)	1796.	2.07E-10	(1.3	4.3)	1798.	2.00E-10	(1.1	5.5)
1800.	2.00E-10	(1.4	6.3)	1802.	1.93E-10	(1.4	6.6)	1804.	1.96E-10	(1.4	5.1)	1806.	2.11E-10	(1.3	7.4)	1808.	1.90E-10	(1.5	6.1)
1810.	2.24E-10	(1.6	2.9)	1812.	2.19E-10	(1.6	3.8)	1814.	2.13E-10	(1.5	7.7)	1816.	2.05E-10	(1.4	12.9)	1818.	2.02E-10	(1.4	15.1)
1820.	1.99E-10	(1.3	17.6)	1822.	2.00E-10	(1.3	19.2)	1824.	2.01E-10	(1.3	20.0)	1826.	2.06E-10	(1.3	16.5)	0.	0.	(0.0	0.0)
1800.	2.02E-10	(1.5	5.3)	1805.	2.08E-10	(1.5	6.1)	1810.	2.22E-10	(1.5	3.9)	1815.	2.10E-10	(1.4	9.9)	1820.	1.97E-10	(1.4	18.5)
1825.	1.99E-10	(1.4	20.6)	1830.	2.04E-10	(1.4	11.1)	1835.	1.95E-10	(1.5	9.8)	1840.	1.92E-10	(1.6	12.3)	1845.	1.92E-10	(1.5	10.1)
1850.	1.78E-10	(1.5	12.6)	1855.	1.62E-10	(1.5	14.1)	1860.	1.65E-10	(1.5	9.4)	1865.	1.72E-10	(1.6	4.5)	1870.	1.68E-10	(1.6	2.6)
1880.	1.69E-10	(1.6	6.7)	1885.	1.62E-10	(1.7	10.0)	1890.	1.65E-10	(1.6	11.8)	1895.	1.57E-10	(1.7	4.7)	1900.	1.58E-10	(1.6	2.6)
1900.	1.69E-10	(2.0	1.4)	1905.	1.78E-10	(2.0	7.0)	1910.	1.64E-10	(2.0	6.0)	1915.	1.54E-10	(1.9	6.8)	1920.	1.55E-10	(1.9	2.7)
1925.	1.56E-10	(2.0	1.5)	1930.	1.59E-10	(2.0	1.1)	1935.	1.60E-10	(2.0	6.0)	1940.	1.53E-10	(2.0	2.5)	1945.	1.44E-10	(2.0	.1)
1950.	1.45E-10	(2.0	3.8)	1955.	1.49E-10	(2.0	5.1)	1960.	1.47E-10	(2.0	3.9)	1965.	1.45E-10	(2.0	6.4)	1970.	1.46E-10	(2.0	10.4)
1975.	1.55E-10	(2.0	14.8)	1980.	1.52E-10	(2.0	14.2)	1985.	1.44E-10	(2.0	10.0)	1990.	1.35E-10	(2.0	5.5)	1995.	1.25E-10	(2.0	1.8)
2000.	1.24E-10	(2.0	6.0)	2005.	1.25E-10	(2.0	6.6)	2010.	1.24E-10	(2.0	5.9)	2015.	1.23E-10	(2.0	5.5)	2020.	1.24E-10	(2.0	7.1)
2025.	1.24E-10	(2.0	9.8)	2030.	1.22E-10	(2.0	10.1)	2035.	1.18E-10	(2.0	7.7)	2040.	1.14E-10	(2.0	8.5)	2045.	1.13E-10	(2.0	7.0)
2050.	1.24E-10	(2.0	10.9)	2055.	1.20E-10	(2.0	10.5)	2060.	1.17E-10	(2.0	11.9)	2065.	1.15E-10	(2.0	12.7)	2070.	1.13E-10	(2.0	12.0)
2075.	1.05E-10	(2.0	10.9)	2080.	0.8E-10	(2.0	10.5)	2085.	1.16E-10	(1.9	9.7)	2090.	1.16E-10	(1.9	7.8)	2095.	1.10E-10	(1.9	7.0)
2100.	1.08E-10	(1.9	8.1)	2105.	1.09E-10	(1.9	7.4)	2110.	1.07E-10	(1.9	5.9)	2115.	1.04E-10	(1.9	6.8)	2120.	1.02E-10	(1.9	9.1)
2125.	1.02E-10	(1.9	10.2)	2130.	1.01E-10	(1.9	9.1)	2135.	9.82E-11	(1.9	6.4)	2140.	9.53E-11	(1.8	3.8)	2145.	9.44E-11	(1.8	2.9)
2150.	9.42E-11	(1.8	2.0)	2155.	9.40E-11	(1.8	.9)	2160.	9.32E-11	(1.8	5.1)	2165.	9.11E-11	(1.8	6.9)	2170.	8.93E-11	(1.8	6.0)
2175.	8.97E-11	(1.8	4.5)	2180.	9.24E-11	(1.7	2.3)	2185.	9.53E-11	(1.7	8.8)	2190.	9.42E-11	(1.7	2.1)	2195.	8.92E-11	(1.7	1.5)
2200.	8.44E-11	(1.7	1.6)	2205.	8.36E-11	(1.7	2.3)	2210.	8.55E-11	(1.7	2.1)	2215.	8.60E-11	(1.7	1.3)	2220.	8.36E-11	(1.7	1.5)
2225.	8.37E-11	(1.7	1.5)	2230.	9.77E-11	(1.6	7.7)	2235.	8.14E-11	(1.6	7.5)	2240.	8.11E-11	(1.6	1.1)	2245.	8.06E-11	(1.6	1.9)
2250.	8.73E-11	(1.6	1.6)	2255.	8.71E-11	(1.6	1.3)	2260.	8.44E-11	(1.6	8.8)	2265.	8.20E-11	(1.6	7.2)	2270.	7.98E-11	(1.6	5.5)
2275.	7.82E-11	(1.6	5.5)	2280.	7.71E-11	(1.6	2.4)	2285.	7.64E-11	(1.6	6.1)	2290.	7.51E-11	(1.6	5.5)	2295.	7.45E-11	(1.6	5.5)
2300.	7.51E-11	(1.5	2.3)	2305.	7.65E-11	(1.5	.2)	2310.	7.69E-11	(1.5	1.1)	2315.	7.60E-11	(1.5	.9)	0.	0.	(0.0	0.0)
2300.	7.52E-11	(1.5	2.4)	2310.	7.68E-11	(1.5	1.0)	2320.	7.54E-11	(1.5	.2)	2330.	7.57E-11	(1.5	.7)	2340.	7.46E-11	(1.5	1.6)
2350.	7.30E-11	(1.5	5.5)	2360.	7.22E-11	(1.4	3.3)	2370.	7.09E-11	(1.4	4.3)	2380.	6.89E-11	(1.4	2.6)	2390.	6.81E-11	(1.4	1.6)
2400.	6.59E-11	(1.4	2.4)	2410.	6.28E-11	(1.4	.5)	2420.	6.22E-11	(1.4	1.4)	2430.	6.22E-11	(1.4	3.0)	2440.	6.26E-11	(1.4	4.9)
2450.	5.98E-11	(1.4	5.8)	2460.	5.82E-11	(1.3	6.7)	2470.	5.77E-11	(1.3	6.6)	2480.	5.77E-11	(1.3	8.0)	2490.	5.77E-11	(1.3	8.0)
2500.	5.84E-11	(1.3	2)	2510.	5.82E-11	(1.3	1)	2520.	5.77E-11	(1.3	8.8)	2530.	5.77E-11	(1.3	8.8)	2540.	5.70E-11	(1.3	5)
2550.	5.61E-11	(1.3	3)	2560.	5.59E-11	(1.3	.2)	2570.	5.57E-11	(1.3	2.7)	2580.	5.56E-11	(1.3	3.4)	2590.	5.48E-11	(1.3	2.1)
2600.	5.47E-11	(1.2	1.6)	2610.	5.47E-11	(1.2	1)	2620.	5.37E-11	(1.2	2.4)	2630.	5.22E-11	(1.2	3.6)	2640.	5.15E-11	(1.2	3.9)
2650.	5.19E-11	(1.2	4.3)	2660.	5.26E-11	(1.2	4.5)	2670.	5.30E-11	(1.2	3.8)	2680.	5.32E-11	(1.2	1.6)	2690.	5.32E-11	(1.2	8.8)
2700.	5.32E-11	(1.1	2.7)	2710.	5.36E-11	(1.1	4.2)	2720.	5.40E-11	(1.1	2.7)	2730.	5.50E-11	(1.1	.5)	2740.	5.52E-11	(1.1	1.0)
2750.	5.59E-11	(1.1	1.9)	2760.	5.42E-11	(1.1	1.6)	2770.	5.35E-11	(1.1	1.2)	2780.	5.21E-11	(1.1	5.8)	2790.	5.15E-11	(1.1	6.7)
2800.	5.87E-11	(1.0	8.1)	2810.	5.82E-11	(1.0	5.9)	2820.	5.77E-11	(1.0	5.9)	2830.	5.77E-11	(1.0	6.7)	2840.	5.87E-11	(1.0	7.7)
2850.	4.87E-11	(1.0	8.7)	2860.	4.85E-11	(1.0	6.6)	2870.	4.78E-11	(1.0	10.4)	2880.	4.69E-11	(1.0	11.3)	2890.	4.62E-11	(1.0	11.1)
2900.	4.56E-11	(1.0	9.8)	2910.	4.56E-11	(1.0	7.5)	2920.	4.59E-11	(1.0	5.7)	2930.	4.60E-11	(1.0	5.0)	2940.	4.52E-11	(1.0	5.1)
2950.	4.41E-11	(1.0	4.9)	2960.	4.31E-11	(1.0	4.6)	2970.	4.26E-11	(1.0	4.2)	2980.	4.22E-11	(1.0	4.2)	2990.	4.17E-11	(1.0	4.5)
3000.	4.13E-11	(1.0	5.1)	3010.	4.15E-11	(1.0	5.7)	3020E.	4.20E-11	(1.0	6.2)	3030E.	4.25E-11	(1.0	6.6)	0.	0.	(0.0	0.0)
3000.	4.13E-11	(1.0	5.0)	3002E.	4.20E-11	(1.0	6.2)	3004E.	4.22E-11	(1.0	6.8)	3006E.	4.06E-11	(1.0	6.2)	3008E.	3.92E-11	(1.0	6.8)
3100E.	3.81E-11	(.9	8.9)	3102E.	3.91E-11	(.9	11.1)	3104E.	4.01E-11	(.9	7.9)	3106E.	4.11E-11	(.9	6.4)	3108E.	4.01E-11	(.9	5.5)
3200E.	3.97E-11	(.9	2.5)	3202E.	3.95E-11	(.9	2.6)	3204E.	4.01E-11	(.9	6.4)	3206E.	4.02E-11	(.9	11.0)	3208E.	3.91E-11	(.9	11.9)
3300E.	3.85E-11	(.9	10.1)	3302E.	3.93E-11	(.8	9.1)	3304E.	4.06E-11	(.8	11.7)	3306E.	4.07E-11	(.8	16.9)	3308E.	3.88E-11	(.8	19.9)
3400E.	3.58E-11	(.8	19.7)	3402E.	3.40E-11	(.9	18.4)	3404E.	3.35E-11	(.9	18.2)	3406E.	3.33E-11	(.8	19.6)	3408E.	3.25E-11	(.8	21.3)
3500E.	3.10E-11	(.8	23.0)	3502E.	2.92E-11	(.8	23.7)	3504E.	2.78E-11	(.8	23.8)	3506E.	2.69E-11	(.8	22.8)	3508E.	2.60E-11	(.8	21.3)
3600.	2.52E-11	(.8	19.9)	3620.	2.45E-11	(.8	19.5)	3640.	2.41E-11	(.7	21.1)	3660.	2.42E-11	(.7	23.1)	3680.	2.47E-11	(.7	24.0)
3700.	2.53E-11	(.6	23.4)	3720.	2.57E-11	(.6	21.6)	3740.	2.59E-11	(.6	19.6)	3760.	2.60E-11	(.6	18.2)	3780.	2.64E-11	(.6	15.7)
3800.	2.51E-11	(.5	18.7)	3820.	2.80E-11	(.5	19.3)	3840.	2.81E-11	(.5	19.3)	3860.	2.81E-11	(.4	19.3)	3880.	2.81E-11	(.4	16.2)
3900.	2.00E-11	(13.0	0.0)	3920.	2.00E-11	(13.0	0.0)	3940E.	3.37E-11	(.3	0.0)	3960E.	3.40E-11	(.3	0.0)	3980E.	3.42E-11	(.3	0.0)
4000E.	3.43E-11	(.3	0.0)	4020E.	3.43E-11	(.4	0.0)	4040E.	3.45E-11</										

X, Y (MM)	-1.1	9.6	SL3-267	20 SCANS, T= 269	HR 1848	WT 1.0, SCALE 1.08
X, Y (MM)	-.7	9.6	SL3-268	18 SCANS, T= 77:	HR 1848	WT 1.0, SCALE .90

R = 0.93:

HD 36486

DEL ORI

HD 36486

LAMBDA, F (WT, SIG)	F = AVE FLUX FROM LAM-DEL/2 TO LAM+DEL/2				
1340, 2.79E-08(.4 16.0)	1342, 2.38E-08(.4 16.1)	1344, 2.08E-08(.5 16.2)	1346, 2.26E-08(.6 10.7)	1348, 2.26E-08(.7 10.5)	
1350, 2.20E-08(.8 9.4)	1352, 2.23E-08(.9 6.3)	1354, 2.34E-08(1.1 20.2)	1356, 2.22E-08(1.2 9.5)	1358, 2.14E-08(1.3 10.2)	
1360, 2.21E-08(1.4 12.8)	1362, 2.12E-08(1.5 2.7)	1364, 2.31E-08(1.6 7.9)	1366, 2.28E-08(1.8 11.8)	1368, 2.33E-08(1.9 15.3)	
1370, 2.29E-08(2.0 15.0)	1372, 2.14E-08(2.0 7.9)	1374, 2.19E-08(2.1 5.9)	1376, 2.31E-08(2.3 12.7)	1378, 2.25E-08(2.5 13.5)	
1380, 2.13E-08(2.5 27.9)	1382, 1.82E-08(2.3 24.1)	1384, 1.42E-08(2.0 23.6)	1386, 1.39E-08(1.9 21.1)	1388, 1.44E-08(1.9 20.5)	
1390, 1.41E-08(2.0 17.4)	1392, 1.41E-08(2.3 10.4)	1394, 1.45E-08(2.2 14.5)	1396, 1.60E-08(2.4 12.4)	1398, 1.62E-08(2.4 6.5)	
1400, 1.85E-08(2.5 10.1)	1402, 2.17E-08(2.6 8.1)	1404, 2.30E-08(2.7 4.7)	1406, 2.30E-08(2.7 4.6)	1408, 2.22E-08(2.8 10.8)	
1410, 2.14E-08(2.8 10.8)	1412, 2.13E-08(2.8 8.7)	1414, 2.09E-08(2.9 7.3)	1416, 2.15E-08(3.0 11.3)	1418, 2.07E-08(2.9 6.9)	
1420, 2.08E-08(2.9 4.9)	1422, 2.11E-08(2.9 6.5)	1424, 2.00E-08(3.0 8.6)	1426, 1.89E-08(2.9 8.3)	1428, 1.90E-08(3.0 9.4)	
1430, 1.98E-08(2.9 5.2)	1432, 2.10E-08(2.9 6.3)	1434, 2.11E-08(2.9 6.5)	1436, 2.11E-08(2.9 5.5)	1438, 2.07E-08(2.9 6.6)	
1440, 2.01E-08(2.9 5.2)	1442, 1.99E-08(2.9 3.8)	1444, 1.89E-08(2.9 3.4)	1446, 1.97E-08(2.9 7.9)	1448, 1.96E-08(2.9 7.4)	
1450, 1.90E-08(2.9 3.9)	1452, 1.86E-08(2.8 6.1)	1454, 1.82E-08(2.8 6.2)	1456, 1.81E-08(2.8 4.7)	1458, 1.81E-08(2.8 4.7)	
1460, 1.76E-08(2.8 7.5)	1462, 1.80E-08(2.8 10.1)	1464, 1.75E-08(2.8 9.6)	1466, 1.68E-08(2.8 12.4)	1468, 1.69E-08(2.8 7.0)	
1470, 1.68E-08(2.8 6.0)	1472, 1.63E-08(2.8 5.6)	1474, 1.63E-08(2.8 10.6)	1476, 1.63E-08(2.8 9.8)	1478, 1.58E-08(2.8 7.1)	
1480, 1.62E-08(2.8 5.5)	1482, 1.60E-08(2.7 5.1)	1484, 1.60E-08(2.7 4.5)	1486, 1.58E-08(2.7 6.1)	1488, 1.64E-08(2.7 4.5)	
1490, 1.56E-08(2.7 3.8)	1492, 1.59E-08(2.7 9.1)	1494, 1.54E-08(2.7 7.3)	1496, 1.46E-08(2.7 3.2)	1498, 1.36E-08(2.7 5.0)	
1500, 1.31E-08(2.7 5.1)	1502, 1.35E-08(2.7 9.5)	1504, 1.39E-08(2.7 9.8)	1506, 1.41E-08(2.6 4.4)	1508, 1.44E-08(2.6 5.7)	
1510, 1.39E-08(2.6 6.4)	1512, 1.43E-08(2.6 1.9)	1514, 1.42E-08(2.6 4.4)	1516, 1.41E-08(2.5 6.9)	1518, 1.44E-08(2.5 2.7)	
1520, 1.44E-08(2.5 2.2)	1522, 1.36E-08(2.5 2.8)	1524, 1.25E-08(2.6 4.1)	1526, 1.10E-08(2.6 5.2)	1528, 1.05E-08(2.6 8.2)	
1530, 1.04E-08(2.7 10.0)	1532, 9.28E-09(2.7 10.6)	1534, 8.04E-09(2.8 10.0)	1536, 7.03E-09(2.8 7.6)	1538, 5.57E-09(2.9 9.6)	
1540, 4.10E-09(2.7 13.7)	1542, 3.39E-09(2.6 17.7)	1544, 2.99E-09(2.5 13.5)	1546, 3.29E-09(2.6 18.9)	1548, 4.68E-09(2.8 14.7)	
1550, 6.73E-09(2.7 11.5)	1552, 9.10E-09(2.6 8.8)	1554, 1.13E-09(2.4 8.0)	1556, 1.24E-09(2.4 6.7)	1558, 1.16E-09(2.4 1.6)	
1560, 1.05E-08(2.4 1.9)	1562, 9.51E-09(2.4 1.9)	1564, 8.94E-09(2.4 2.5)	1566, 8.70E-09(2.5 9.5)	1568, 8.59E-09(2.4 7.6)	
1570, 8.75E-09(2.4 3.2)	1572, 9.05E-09(2.4 4.3)	1574, 9.62E-09(2.4 3.4)	1576, 9.89E-09(2.3 3.8)	1578, 9.78E-09(2.3 4.2)	
1580, 9.98E-09(2.3 2.0)	1582, 1.07E-08(2.3 2.6)	1584, 1.10E-08(2.3 3.5)	1586, 1.07E-08(2.2 2.3)	1588, 1.10E-08(2.2 3.4)	
1590, 1.14E-08(2.2 1.8)	1592, 1.10E-08(2.2 2.9)	1594, 1.04E-08(2.2 7.7)	1596, 1.02E-08(2.2 3.5)	1598, 1.01E-08(2.2 1.2)	
1600, 1.01E-08(2.2 2.5)	1602, 9.58E-09(2.2 5.3)	1604, 9.58E-09(2.2 6.3)	1606, 9.39E-09(2.2 5.3)	1608, 9.26E-09(2.3 3.6)	
1610, 9.91E-09(2.3 5.3)	1612, 8.65E-09(2.3 5.3)	1614, 8.65E-09(2.3 7.7)	1616, 8.64E-09(2.3 7.7)	1618, 8.68E-09(2.3 1.7)	
1620, 8.48E-09(2.2 1.9)	1622, 8.34E-09(2.2 2.0)	1624, 8.61E-09(2.2 3.8)	1626, 9.00E-09(2.2 4.9)	1628, 8.81E-09(2.2 3.9)	
1630, 8.31E-09(2.2 3.4)	1632, 8.12E-09(2.2 3.5)	1634, 8.26E-09(2.2 4.4)	1636, 8.72E-09(2.2 4.7)	1638, 9.30E-09(2.1 3.7)	
1640, 9.43E-09(2.1 5.2)	1642, 9.22E-09(2.1 5.4)	1644, 9.28E-09(2.1 3.1)	1646, 9.74E-09(2.0 4.0)	1648, 1.03E-08(2.0 4.1)	
1650, 1.07E-08(2.0 5.3)	1652, 1.07E-08(1.9 8.3)	1654, 1.04E-08(2.0 12.9)	1656, 9.92E-09(2.0 14.3)	1658, 9.58E-09(2.0 12.7)	
1660, 9.49E-09(2.0 9.3)	1662, 9.36E-09(2.0 6.8)	1664, 9.43E-09(2.0 6.6)	1666, 9.73E-09(1.9 5.5)	1668, 9.89E-09(1.9 4.8)	
1670, 9.66E-09(1.9 5.8)	1672, 9.36E-09(1.9 8.1)	1674, 9.46E-09(1.9 12.8)	1676, 9.86E-09(1.8 15.6)	1678, 1.03E-08(1.8 15.9)	
1680, 1.09E-08(1.8 14.2)	1682, 1.09E-08(1.8 14.2)	1684, 1.11E-08(1.7 15.2)	1686, 1.16E-08(1.7 9.4)	1688, 1.15E-08(1.7 16.8)	
1690, 1.10E-08(1.7 8.8)	1692, 1.07E-08(1.7 10.0)	1694, 1.07E-08(1.7 12.7)	1696, 1.11E-08(1.6 13.0)	1698, 1.09E-08(1.6 9.7)	
1700, 1.04E-08(1.6 6.8)	1702, 1.01E-08(1.6 6.2)	1704, 1.04E-08(1.6 6.5)	1706, 1.08E-08(1.6 7.0)	1708, 1.12E-08(1.5 8.0)	
1710, 1.13E-08(1.5 10.2)	1712, 1.11E-08(1.5 12.5)	1714, 1.06E-08(1.5 12.2)	1716, 1.02E-08(1.6 10.2)	1718, 9.75E-09(1.6 11.1)	
1720, 9.38E-09(1.6 11.6)	1722, 9.33E-09(1.6 11.5)	1724, 9.50E-09(1.6 11.4)	1726, 9.83E-09(1.5 11.0)	1728, 1.03E-08(1.5 11.4)	
1730E, 1.07E-08(1.4 13.5)	1732E, 1.07E-08(1.4 15.6)	1734E, 1.06E-08(1.4 14.8)	1736E, 1.08E-08(1.4 13.2)	1738E, 1.09E-08(1.3 13.0)	
1740E, 1.08E-08(1.3 14.8)	1742E, 1.07E-08(1.3 15.9)	1744E, 1.09E-08(1.3 16.7)	1746E, 1.11E-08(1.3 17.8)	1748E, 1.12E-08(1.2 18.1)	
1750E, 1.17E-08(1.2 17.1)	1752E, 1.11E-08(1.2 17.1)	1754E, 1.11E-08(1.2 15.2)	1756E, 1.13E-08(1.2 15.1)	1758E, 1.15E-08(1.2 16.8)	
1760E, 1.15E-08(1.1 18.7)	1762E, 1.14E-08(1.1 19.0)	1764E, 1.12E-08(1.1 19.6)	1766E, 1.11E-08(1.1 16.8)	1768E, 1.11E-08(1.1 17.7)	
1770E, 1.11E-08(1.1 19.5)	1772E, 1.12E-08(1.1 19.3)	1774E, 1.13E-08(1.1 18.2)	1776E, 1.14E-08(1.0 18.2)	1778E, 1.12E-08(1.0 19.1)	
1780E, 1.11E-08(1.0 16.9)	1782E, 1.12E-08(1.0 14.7)	1784E, 1.11E-08(1.0 13.9)	1786E, 1.09E-08(1.0 14.3)	1788E, 1.07E-08(1.0 14.8)	
1790E, 1.07E-08(1.0 15.3)	1792E, 1.08E-08(1.0 16.6)	1794E, 1.09E-08(1.0 17.3)	1796E, 1.09E-08(1.0 17.9)	1798E, 1.09E-08(9. 18.1)	
1800E, 1.09E-08(9. 17.9)	1802E, 1.09E-08(9. 16.8)	1804E, 1.08E-08(9. 15.7)	1806E, 1.07E-08(9. 14.9)	1808E, 1.09E-08(9. 13.7)	
1810E, 1.13E-08(9. 13.7)	1812E, 1.17E-08(8. 14.4)	1814E, 1.17E-08(8. 15.3)	1816E, 1.15E-08(8. 15.4)	1818E, 1.11E-08(8. 14.4)	
1820E, 1.10E-08(8. 14.5)	1822E, 1.12E-08(8. 14.9)	1824E, 1.14E-08(8. 15.4)	1826E, 1.13E-08(8. 14.4)	0.0, (0.0 0.0)	
1800E, 1.10E-08(9. 17.6)	1805E, 1.08E-08(9. 15.0)	1810E, 1.12E-08(9. 13.8)	1815E, 1.16E-08(8. 15.5)	1820E, 1.11E-08(8. 14.5)	
1825E, 1.14E-08(8. 14.3)	1830E, 1.14E-08(8. 10.6)	1835E, 1.19E-08(7. 14.7)	1840E, 1.15E-08(7. 23.1)	1845E, 1.15E-08(7. 28.5)	
1850E, 1.13E-08(7. 22.3)	1855E, 1.09E-08(7. 15.6)	1860E, 1.07E-08(7. 18.7)	1865E, 1.13E-08(6. 24.7)	1870E, 1.13E-08(6. 22.5)	
1875E, 1.05E-08(6. 17.2)	1880E, 1.00E-08(6. 22.1)	1885E, 1.01E-08(6. 20.7)	1890E, 9.92E-09(6. 22.5)	1895E, 1.04E-08(6. 30.1)	
1900E, 1.02E-08(6. 25.8)	1905E, 9.43E-09(6. 22.8)	1910E, 8.74E-09(6. 23.1)	1915E, 8.07E-09(6. 22.1)	1920E, 8.12E-09(6. 22.9)	
1925E, 8.32E-09(6. 20.8)	1930E, 8.41E-09(6. 20.9)	1935E, 8.53E-09(6. 23.3)	1940E, 7.99E-09(6. 15.0)	1945E, 7.74E-09(6. 10.1)	
1950E, 7.73E-09(6. 16.1)	1955E, 7.75E-09(6. 14.4)	1960E, 7.99E-09(5. 9.6)	1965E, 7.73E-09(5. 12.7)	1970E, 7.41E-09(5. 21.0)	
1975E, 7.47E-09(5. 20.1)	1980E, 7.43E-09(5. 14.7)	1985E, 7.32E-09(5. 14.7)	1990E, 7.08E-09(5. 15.2)	1995E, 6.98E-09(5. 18.5)	
2000E, 7.22E-09(4. 22.0)	2005E, 7.30E-09(4. 21.6)	2010E, 7.00E-09(4. 18.7)	2015E, 6.65E-09(4. 15.9)	2020E, 6.74E-09(4. 17.2)	
2025E, 7.32E-09(4. 19.1)	2030E, 7.25E-09(4. 14.4)	2035E, 6.54E-09(4. 8.2)	2040E, 6.22E-09(4. 10.0)	2045E, 6.29E-09(4. 16.1)	
2050E, 6.29E-09(3. 21.0)	2055E, 6.07E-09(3. 21.0)	2060E, 6.00E-09(3. 19.2)	2065E, 5.99E-09(3. 21.0)	2070E, 5.97E-09(3. 23.0)	
2075E, 6.26E-09(3. 18.5)	2080E, 6.60E-09(3. 12.5)	2085E, 6.47E-09(3. 12.0)	2090E, 6.22E-09(3. 15.1)	2095E, 6.24E-09(3. 14.0)	
2100E, 6.22E-09(2. 11.6)	2105E, 6.02E-09(2. 11.2)	2110E, 5.88E-09(2. 12.2)	2115E, 5.76E-09(2. 14.6)	2120E, 5.75E-09(2. 12.1)	
2125E, 5.95E-09(2. 7.5)	2130E, 6.22E-09(2. 6.4)	2135E, 6.29E-09(2. 4.7)	2140E, 6.08E-09(2. 8.1)	2145E, 5.98E-09(2. 10.1)	
2150E, 6.06E-09(2. 6.5)	2155E, 6.05E-09(2. 3.4)	2160E, 6.13E-09(2. 3.6)	2165E, 6.49E-09(1. 6.4)	2170E, 6.61E-09(1. 5.7)	
2175E, 6.06E-09(1. 4.4)	2180E, 5.44E-09(1. 8.3)	2185E, 5.34E-09(2. 6.7)	2190E, 5.52E-09(1. 5.0)	2195E, 5.48E-09(1. 4.0)	
2200E, 5.29E-09(1. 4.6)	2205E, 5.24E-09(1. 6.3)	2210E, 5.26E-09(1. 2.6)	2215E, 5.24E-09(1. 4.4)	2220E, 5.21E-09(1. 6.7)	
2225E, 5.31E-09(1. 7.1)	2230E, 5.44E-09(1. 7.5)	2235E, 5.39E-09(1. 7.2)	2240E, 5.18E-09(1. 5.2)	2245E, 5.13E-09(1. 5.0)	
2250E, 5.41E-09(1. 10.2)	2255E, 5.85E-09(1. 13.2)	2260E, 6.07E-09(1. 11.0)	2265E, 6.01E-09(1. 12.5)	2270E, 5.87E-09(1. 17.2)	
2275E, 5.80E-09(1. 20.7)	2280E, 5.77E-09(1. 22.2)	2285E, 5.77E-09(1. 20.8)	2290E, 5.78E-09(1. 17.3)	2295E, 5.78E-09(1. 14.4)	
135, -1.97(1.1 7.4)	139, -1.66(2.3 11.9)	148, -1.62(2.7 6.5)	154, -.92(2.6 5.6)	161, -1.02(2.2 1.8)	
166, -1.11(1.9 7.9)	172E, -1.17(1.4 12.3)	181E, -1.22(9. 15.8)	192E, -.96(6. 17.4)	204E, -.65(4. 14.1)	
219E, -.50(1. 3.2)	245, 0.00(0.0 0.0)	280, 0.00(0.0 0.0)	360, 0.00(0.0 0.0)	0, 0.00(0.0 0.0)	

R = 1.05

X,Y(MM) 7.8 -10.9 SL3-248 20 SCANS, T= 218 DEL ORI WT 1.0, SCALE 1.06  
X,Y(MM) 7.8 -10.9 SL3-249 20 SCANS, T= 78 DEL ORI WT 1.0, SCALE .94  
X,Y(MM) 7.8 -10.9 SL3-250 20 SCANS, T= 28 DEL ORI WT 1.0, SCALE 1.01

LAMBDA, F (WT, SIG)	F = AVE FLUX FROM LAM-DEL/2 TO LAM-DEL/2				
1310U 4.34E-08(.5 0)	1312U 4.21E-08(.4 0)	1314U 4.09E-08(.4 0)	1316U 4.43E-08(.5 0)	1318U 4.03E-08(.5 0)	1320U 3.95E-08(.7 0)
1320U 4.09E-08(.5 0)	1322U 3.77E-08(.6 0)	1324U 3.74E-08(.6 0)	1326U 4.03E-08(.6 0)	1328U 3.95E-08(.7 0)	1330U 3.89E-08(.7 0)
1330U 3.89E-08(.7 0)	1332U 3.55E-08(.6 3.3)	1334U 3.90E-08(.6 6.8)	1336U 3.28E-08(.6 10.7)	1338U 3.28E-08(.7 7.2)	1340U 3.14E-08(.7 3.5)
1340U 3.14E-08(.7 3.5)	1342U 3.01E-08(.7 7.4)	1344U 2.89E-08(.7 12.5)	1346U 2.77E-08(.8 8.3)	1348U 3.22E-08(.8 7.0)	1350U 3.08E-08(.9 12.7)
1350U 3.08E-08(.9 12.7)	1352U 3.07E-08(1.0 14.3)	1354U 3.16E-08(1.0 12.4)	1356U 3.02E-08(1.1 7.9)	1358U 2.90E-08(1.1 13.1)	1360U 2.59E-08(1.0 6.7)
1360U 2.59E-08(1.0 6.7)	1362U 2.52E-08(1.0 2.6)	1364U 2.82E-08(1.1 14.2)	1366U 2.81E-08(1.1 16.0)	1368U 2.68E-08(1.1 12.6)	1370U 2.67E-08(1.1 14.7)
1370U 2.67E-08(1.1 14.7)	1372U 2.63E-08(1.1 9.7)	1374U 2.79E-08(1.1 11.4)	1376U 2.65E-08(1.1 14.9)	1378U 2.65E-08(1.2 14.3)	1380U 2.71E-08(1.3 5.8)
1380U 2.71E-08(1.3 5.8)	1382U 2.52E-08(1.2 2.0)	1384U 1.98E-08(1.1 10.9)	1386U 1.68E-08(1.0 22.3)	1388U 1.97E-08(1.1 21.5)	1390U 2.08E-08(1.1 19.4)
1390U 2.08E-08(1.1 19.4)	1392U 2.07E-08(1.1 14.4)	1394U 1.93E-08(1.1 25.9)	1396U 1.93E-08(1.1 18.5)	1398U 2.20E-08(1.3 15.2)	1400U 2.21E-08(1.1 20.3)
1400U 2.21E-08(1.1 20.3)	1402U 2.39E-08(1.1 25.3)	1404U 2.62E-08(1.2 15.4)	1406U 2.82E-08(1.3 15.4)	1408U 2.65E-08(1.4 10.3)	1410U 2.47E-08(1.3 23.9)
1410U 2.47E-08(1.3 23.9)	1412U 2.41E-08(1.3 21.5)	1414U 2.45E-08(1.3 22.4)	1416U 2.29E-08(1.4 19.0)	1418U 2.22E-08(1.5 7.2)	1420U 2.17E-08(1.6 8.6)
1420U 2.17E-08(1.6 8.6)	1422U 2.25E-08(1.6 4.5)	1424U 2.23E-08(1.5 11.1)	1426U 1.94E-08(1.4 19.7)	1428U 1.91E-08(1.4 10.8)	1430U 1.79E-08(1.4 19.6)
1430U 1.79E-08(1.4 19.6)	1432U 1.93E-08(1.5 16.0)	1434U 2.13E-08(1.6 12.0)	1436U 2.23E-08(1.8 5.9)	1438U 2.18E-08(1.8 2.3)	1440U 2.18E-08(1.9 4.3)
1440U 2.18E-08(1.9 4.3)	1442U 2.08E-08(1.9 7.0)	1444U 2.13E-08(2.0 3.5)	1446U 2.17E-08(2.0 1.3)	1448U 2.11E-08(2.0 4.7)	1450U 2.06E-08(2.0 4.0)
1450U 2.06E-08(2.0 4.0)	1452U 1.90E-08(1.9 8.8)	1454U 1.87E-08(1.8 5.8)	1456U 1.79E-08(1.8 13.5)	1458U 1.72E-08(1.9 17.0)	1460U 1.93E-08(2.1 9.6)
1460U 1.93E-08(2.1 9.6)	1462U 1.87E-08(2.1 11.7)	1464U 1.96E-08(2.1 9.2)	1466U 2.08E-08(2.2 6.1)	1468U 2.01E-08(2.2 6.1)	1470U 1.83E-08(2.2 9.0)
1470U 1.83E-08(2.2 9.0)	1472U 1.89E-08(2.3 7.4)	1474U 1.84E-08(2.3 6.4)	1476U 1.95E-08(2.3 9.2)	1478U 1.90E-08(2.3 11.0)	1480U 1.92E-08(2.4 7.1)
1480U 1.92E-08(2.4 7.1)	1482U 1.94E-08(2.4 8.7)	1484U 1.99E-08(2.5 5.8)	1486U 1.94E-08(2.5 5.2)	1488U 2.01E-08(2.6 8.3)	1490U 1.95E-08(2.6 9.7)
1490U 1.95E-08(2.6 9.7)	1492U 1.88E-08(2.6 9.7)	1494U 1.86E-08(2.6 8.8)	1496U 1.79E-08(2.6 7.5)	1498U 1.63E-08(2.5 10.4)	1500U 1.59E-08(2.5 16.4)
1500U 1.59E-08(2.5 16.4)	1502U 1.63E-08(2.5 14.4)	1504U 1.70E-08(2.6 9.9)	1506U 1.79E-08(2.7 7.5)	1508U 1.85E-08(2.9 8.3)	1510U 1.91E-08(3.0 2.7)
1510U 1.91E-08(3.0 2.7)	1512U 1.86E-08(3.0 4.3)	1514U 1.83E-08(3.0 6.3)	1516U 1.93E-08(3.0 2.1)	1518U 2.10E-08(3.0 5.3)	1520U 2.13E-08(3.0 10.6)
1520U 2.13E-08(3.0 10.6)	1522U 1.82E-08(3.0 4.0)	1524U 1.70E-08(3.0 3.8)	1526U 1.60E-08(2.9 9.8)	1528U 1.46E-08(2.8 10.7)	1530U 1.42E-08(2.8 6.1)
1530U 1.42E-08(2.8 6.1)	1532U 1.31E-08(2.7 9.3)	1534U 1.19E-08(2.6 14.7)	1536U 1.06E-08(2.6 13.7)	1538U 9.46E-09(2.2 15.0)	1540U 7.91E-09(2.1 20.3)
1540U 7.91E-09(2.1 20.3)	1542U 6.91E-09(2.1 21.3)	1544U 7.23E-09(2.1 16.0)	1546U 8.19E-09(2.4 9.0)	1548U 8.19E-09(2.4 9.0)	1550U 1.27E-08(2.8 11.5)
1550U 1.27E-08(2.8 11.5)	1552U 1.47E-08(3.0 10.4)	1554U 1.64E-08(2.9 11.6)	1556U 1.68E-08(2.9 12.8)	1558U 1.55E-08(2.9 15.3)	1560U 1.45E-08(2.9 13.8)
1560U 1.45E-08(2.9 13.8)	1562U 1.37E-08(2.9 12.8)	1564U 1.35E-08(2.9 12.3)	1566U 1.32E-08(2.9 9.5)	1568U 1.28E-08(2.9 5.5)	1570U 1.30E-08(2.9 9.0)
1570U 1.30E-08(2.9 9.0)	1572U 1.35E-08(2.9 6.3)	1574U 1.40E-08(2.9 5.9)	1576U 1.41E-08(2.9 10.0)	1578U 1.45E-08(2.8 9.8)	1580U 1.43E-08(2.8 8.5)
1580U 1.43E-08(2.8 8.5)	1582U 1.48E-08(2.8 8.3)	1584U 1.48E-08(2.8 7.7)	1586U 1.50E-08(2.8 11.8)	1588U 1.53E-08(2.8 11.2)	1590U 1.53E-08(2.8 10.9)
1590U 1.53E-08(2.8 10.9)	1592U 1.47E-08(2.8 10.8)	1594U 1.46E-08(2.8 10.7)	1596U 1.50E-08(2.8 10.6)	1598U 1.47E-08(2.8 10.4)	1600U 1.43E-08(2.8 10.3)
1600U 1.43E-08(2.8 10.3)	1602U 1.42E-08(2.8 9.0)	1604U 1.38E-08(2.8 8.4)	1606U 1.33E-08(2.8 7.9)	1608U 1.27E-08(2.8 8.5)	1610U 1.20E-08(2.8 7.3)
1610U 1.20E-08(2.8 7.3)	1612U 1.18E-08(2.8 7.0)	1614U 1.19E-08(2.8 6.9)	1616U 1.13E-08(2.8 6.9)	1618U 1.06E-08(2.8 6.1)	1620U 1.17E-08(2.8 8.9)
1620U 1.17E-08(2.8 8.9)	1622U 1.22E-08(2.8 10.9)	1624U 1.22E-08(2.8 8.9)	1626U 1.20E-08(2.7 8.1)	1628U 1.19E-08(2.7 12.3)	1630U 1.19E-08(2.7 14.2)
1630U 1.19E-08(2.7 14.2)	1632U 1.18E-08(2.7 9.5)	1634U 1.16E-08(2.7 7.2)	1636U 1.18E-08(2.7 8.7)	1638U 1.25E-08(2.7 8.4)	1640U 1.29E-08(2.7 5.4)
1640U 1.29E-08(2.7 5.4)	1642U 1.32E-08(2.6 2.7)	1644U 1.38E-08(2.6 3.3)	1646U 1.47E-08(2.5 4.1)	1648U 1.55E-08(2.5 6.6)	1650U 1.54E-08(2.5 8.8)
1650U 1.54E-08(2.5 8.8)	1652U 1.48E-08(2.5 8.5)	1654U 1.40E-08(2.5 6.8)	1656U 1.35E-08(2.5 6.2)	1658U 1.33E-08(2.6 3.2)	1660U 1.32E-08(2.6 7.1)
1660U 1.32E-08(2.6 7.1)	1662U 1.34E-08(2.5 1.8)	1664U 1.34E-08(2.5 3.4)	1666U 1.35E-08(2.5 5.3)	1668U 1.39E-08(2.5 8.1)	1670U 1.40E-08(2.5 8.0)
1670U 1.40E-08(2.5 8.0)	1672U 1.38E-08(2.4 7.3)	1674U 1.37E-08(2.4 7.2)	1676U 1.41E-08(2.4 6.7)	1678U 1.50E-08(2.4 6.2)	1680U 1.58E-08(2.3 6.8)
1680U 1.58E-08(2.3 6.8)	1682U 1.62E-08(2.3 7.4)	1684U 1.59E-08(2.3 7.3)	1686U 1.57E-08(2.3 8.0)	1688U 1.55E-08(2.3 9.4)	1690U 1.53E-08(2.3 8.9)
1690U 1.53E-08(2.3 8.9)	1692U 1.35E-08(2.3 6.2)	1694U 1.31E-08(2.3 5.3)	1696U 1.49E-08(2.3 7.0)	1698U 1.44E-08(2.3 7.0)	1700U 1.42E-08(2.3 6.0)
1700U 1.42E-08(2.3 6.0)	1702U 1.42E-08(2.3 6.2)	1704U 1.42E-08(2.3 7.4)	1706U 1.42E-08(2.3 6.0)	1708U 1.40E-08(2.3 4.0)	1710U 1.37E-08(2.3 3.4)
1710U 1.37E-08(2.3 3.4)	1712U 1.36E-08(2.3 2.9)	1714U 1.34E-08(2.3 3.9)	1716U 1.29E-08(2.3 3.3)	1718U 1.25E-08(2.3 2.5)	1720U 1.25E-08(2.3 2.1)
1720U 1.25E-08(2.3 2.1)	1722U 1.26E-08(2.3 3.2)	1724U 1.30E-08(2.3 4.4)	1726U 1.34E-08(2.2 1.9)	1728U 1.38E-08(2.2 2.0)	1730U 1.43E-08(2.2 3.3)
1730U 1.43E-08(2.2 3.3)	1732U 1.42E-08(2.2 6.1)	1734U 1.42E-08(2.1 7.5)	1736U 1.42E-08(2.1 8.4)	1738U 1.43E-08(2.1 8.6)	1740U 1.43E-08(2.1 7.9)
1740U 1.43E-08(2.1 7.9)	1742U 1.42E-08(2.1 4.2)	1744U 1.43E-08(2.0 7.7)	1746U 1.45E-08(2.0 5.0)	1748U 1.47E-08(2.0 1.9)	1750U 1.46E-08(2.0 4.6)
1750U 1.46E-08(2.0 4.6)	1752U 1.46E-08(2.0 6.3)	1754U 1.45E-08(2.0 6.4)	1756U 1.47E-08(1.9 6.6)	1758U 1.47E-08(1.9 8.3)	1760U 1.45E-08(2.0 9.8)
1760U 1.45E-08(2.0 9.8)	1762U 1.42E-08(1.9 8.6)	1764U 1.33E-08(1.9 8.9)	1766U 1.36E-08(1.9 9.5)	1768U 1.36E-08(1.9 9.5)	1770U 1.37E-08(1.9 3.9)
1770U 1.37E-08(1.9 3.9)	1772U 1.35E-08(1.9 8.9)	1774U 1.34E-08(1.9 8.9)	1776U 1.34E-08(1.9 9.5)	1778U 1.33E-08(1.9 8.5)	1780U 1.33E-08(1.8 7.1)
1780U 1.33E-08(1.8 7.1)	1782U 1.33E-08(1.8 6.7)	1784U 1.30E-08(1.8 7.0)	1786U 1.27E-08(1.8 7.3)	1788U 1.24E-08(1.8 9.1)	1790U 1.24E-08(1.8 10.5)
1790U 1.24E-08(1.8 10.5)	1792U 1.24E-08(1.8 11.2)	1794U 1.26E-08(1.8 11.5)	1796U 1.27E-08(1.8 12.6)	1798U 1.27E-08(1.8 13.0)	1800U 1.27E-08(1.7 12.8)
1800U 1.27E-08(1.7 12.8)	1802U 1.27E-08(1.7 11.7)	1804U 1.25E-08(1.7 11.3)	1806U 1.23E-08(1.7 11.6)	1808U 1.20E-08(1.7 11.4)	1810U 1.27E-08(1.7 12.2)
1810U 1.27E-08(1.7 12.2)	1812U 1.18E-08(1.7 14.3)	1814U 1.21E-08(1.7 16.5)	1816U 1.23E-08(1.7 19.4)	1818U 1.23E-08(1.7 19.9)	1820U 1.22E-08(1.7 19.6)
1820U 1.22E-08(1.7 19.6)	1822U 1.21E-08(1.6 17.5)	1824U 1.20E-08(1.6 16.1)	1826U 1.20E-08(1.6 15.1)	1828U 1.20E-08(1.6 15.1)	1830U 1.22E-08(1.7 12.5)
1830U 1.22E-08(1.7 12.5)	1832U 1.22E-08(1.6 15.4)	1834U 1.21E-08(1.6 20.8)	1836U 1.21E-08(1.6 20.8)	1838U 1.21E-08(1.6 20.8)	1840U 1.17E-08(1.6 23.5)
1840U 1.17E-08(1.6 23.5)	1842U 1.03E-08(1.6 15.9)	1844U 1.03E-08(1.6 19.9)	1846U 1.05E-08(1.5 23.7)	1848U 1.05E-08(1.5 23.7)	1850U 1.10E-08(1.6 22.4)
1850U 1.10E-08(1.6 22.4)	1852U 9.77E-09(1.5 26.3)	1854U 9.51E-09(1.5 25.7)	1856U 9.47E-09(1.5 26.1)	1858U 9.47E-09(1.5 26.1)	1860U 9.79E-09(1.5 24.8)
1860U 9.79E-09(1.5 24.8)	1862U 9.77E-09(1.5 26.3)	1864U 9.51E-09(1.5 25.7)	1866U 9.47E-09(1.5 26.1)	1868U 9.47E-09(1.5 26.1)	1870U 9.76E-09(1.4 24.5)
1870U 9.76E-09(1.4 24.5)	1872U 9.56E-09(1.4 20.2)	1874U 9.23E-09(1.4 24.4)	1876U 8.88E-09(1.4 30.3)	1878U 8.88E-09(1.4 30.3)	1880U 8.23E-09(1.4 37.6)
1880U 8.23E-09(1.4 37.6)	1882U 8.16E-09(1.4 37.6)	1884U 8.44E-09(1.4 39.9)	1886U 8.28E-09(1.4 36.4)	1888U 8.28E-09(1.4 36.4)	1890U 7.38E-09(1.4 28.4)
1890U 7.38E-09(1.4 28.4)	1892U 7.24E-09(1.3 28.3)	1894U 7.29E-09(1.3 31.7)	1896U 7.33E-09(1.3 33.8)	1898U 7.18E-09(1.3 34.1)	1900U 6.49E-09(1.2 30.1)
1900U 6.49E-09(1.2 30.1)	1902U 6.40E-09(1.3 29.9)	1904U 6.79E-09(1.2 36.4)	1906U 6.89E-09(1.2 43.3)	1908U 6.49E-09(1.2 42.8)	1910U 6.37E-09(1.2 42.5)
1910U 6.37E-09(1.2 42.5)	1912U 6.41E-09(1.2 42.9)	1914U 6.19E-09(1.1 45.1)	1916U 6.00E-09(1.1 48.7)	1918U 6.00E-09(1.1 50.9)	1920U 5.96E-09(1.0 49.3)
1920U 5.96E-09(1.0 49.3)	1922U 5.87E-09(1.0 45.2)	1924U 5.87E-09(1.0 45.2)	1926U 5.87E-09(1.0 45.2)	1928U 5.87E-09(1.0 45.2)	1930U 5.49E-09(1.0 44.6)
1930U 5.49E-09(1.0 44.6)	1932U 5.48E-09(1.0 45.9)	1934U 5.35E-09(1.0 48.6)	1936U 5.35E-09(1.0 48.6)	1938U 5.35E-09(1.0 48.6)	1940U 5.05E-09(1.0 55.6)
1940U 5.05E-09(1.0 55.6)	1942U 5.18E-09(1.0 58.3)	1944U 5.18E-09(1.0 58.3)	1946U 5.18E-09(1.0 58.3)	1948U 5.18E-09(1.0 58.3)	1950U 4.76E-09(1.0 56.6)
1950U 4.76E-09(1.0 56.6)	1952U 4.43E-09(1.0 51.9)	1954U 4.43E-09(1.0 51.9)	1956U 4.43E-09(1.0 51.9)	1958U 4.43E-09(1.0 51.9)	1960U 4.43E-09(1.0 51.9)
1960U 4.43E-09(1.0 51.9)	1962U 4.18E-09(1.0 57.8)	1964U 4.18E-09(1.0 57.8)	1966U 4.18E-09(1.0 57.8)	1968U 4.18E-09(1.0 57.8)	1970U 3.64E-09(1.0 63.6)
1970U 3.64E-09(1.0 63.6)	1972U 3.54E-09(1.0 62.0)	1974U 3.54E-09(1.0 61.6)	1976U 3.55E-09(1.0 61.2)	1978U 3.45E-09(1.0 61.1)	1980U 3.35E-09(1.0 62.1)
1980U 3.35E-09(1.0 62.1)	1982U 3.27E-09(1.0 65.7)	1984U 3.27E-09(1.0 65.7)	1986U 3.27E-09(1.0 65.7)	1988U 3.27E-09(1.0 65.7)	1990U 2.98E-09(1.0 58.9)
1990U 2.98E-09(1.0 58.9)	1992U 2.99E-09(1.0 59.4)	1994U 2.99E-09(1.0 59.4)	1996U 2.99E-09(1.0 59.4)	1998U 2.99E-09(1.0 59.4)	2000U 3.07E-09(1.0 67.3)
2000U 3.07E-09(1.0 67.3)	2002U 2.97E-09(1.0 65.6)	2004U 2.97E-09(1.0 65.6)	2006U 2.97E-09(1.0 65.6)	2008U 2.97E-09(1.0 65.6)	2010U 2.28E-09(1.0 62.5)
2010U 2.28E-09(1.0 62.5)	2012U 2.26E-09(1.0 67.8)	2014U 2.26E-09(1.0 67.8)	2016U 2.26E-09(1.0 67.8)	2018U 2.26E-09(1.0 67.8)	2020U 2.30E-09(1.0 70.4)
2020U 2.30E-09(1.0 70.4)	2022U 2.27E-09(1.0 70.8)	2024U 2.27E-09(1.0 70.			

HD 36512

UPS ORI

HD 36512

LAMBDA	F	(WT)	SIG	F = AVE FLUX	FROM LAM-DEL/2	TO LAM+DEL/2
1340.0	0.0	(0.0)	0.0	1342U 4.04E-09(.2)	0.0	1344U 3.20E-09(.2)
1350U	3.83E-09(.3)	0.0	0.0	1352U 4.13E-09(.3)	0.0	1354U 3.91E-09(.3)
1360.0	4.53E-09(.6)	0.0	0.0	1362.0 4.80E-09(.6)	0.0	1364.0 5.31E-09(.7)
1370.0	5.13E-09(.7)	0.0	0.0	1372.0 4.32E-09(.7)	0.0	1374.0 3.81E-09(.7)
1380.0	1.95E-09(.8)	0.0	0.0	1382.0 2.71E-09(.8)	0.0	1384.0 2.54E-09(.9)
1390.0	3.78E-09(.8)	0.0	0.0	1392.0 3.47E-09(.7)	0.0	1394.0 3.28E-09(.8)
1400.0	3.90E-09(1.0)	0.0	0.0	1402.0 3.70E-09(.9)	0.0	1404.0 3.48E-09(.9)
1410.0	3.93E-09(1.0)	0.0	0.0	1412.0 3.71E-09(1.0)	0.0	1414.0 3.43E-09(1.0)
1420.0	3.49E-09(1.0)	0.0	0.0	1422.0 3.65E-09(1.0)	0.0	1424.0 3.64E-09(1.0)
1430.0	3.27E-09(1.0)	0.0	0.0	1432.0 3.26E-09(1.0)	0.0	1434.0 3.23E-09(1.0)
1440.0	3.21E-09(1.0)	0.0	0.0	1442.0 3.20E-09(1.0)	0.0	1444.0 3.26E-09(1.0)
1450.0	2.85E-09(1.0)	0.0	0.0	1452.0 3.02E-09(1.0)	0.0	1454.0 2.74E-09(1.0)
1460.0	2.92E-09(1.1)	7.2	6.8	1462.0 2.92E-09(1.1)	2.6	1464.0 3.01E-09(1.1)
1470.0	2.68E-09(1.1)	7.0	4.6	1472.0 2.74E-09(1.2)	4.2	1474.0 2.66E-09(1.2)
1480.0	2.58E-09(1.2)	2.5	4.4	1482.0 2.49E-09(1.2)	3.8	1484.0 2.60E-09(1.3)
1490.0	2.45E-09(1.3)	8.1	1.5	1492.0 2.61E-09(1.4)	2.2	1494.0 2.50E-09(1.4)
1500.0	2.45E-09(1.5)	8.8	1.7	1502.0 2.53E-09(1.5)	4.9	1504.0 2.36E-09(1.6)
1510.0	2.54E-09(1.6)	3.3	2.7	1512.0 2.42E-09(1.7)	12.3	1514.0 2.63E-09(1.7)
1520.0	2.78E-09(2.0)	12.4	6.5	1522.0 2.53E-09(1.8)	7.9	1524.0 2.45E-09(1.7)
1530.0	2.10E-09(1.6)	10.7	3.3	1532.0 2.00E-09(1.6)	5.5	1534.0 2.17E-09(1.7)
1540.0	2.36E-09(1.8)	2.4	9.4	1542.0 2.29E-09(1.8)	2.1	1544.0 1.84E-09(1.7)
1550.0	1.60E-09(1.7)	13.1	9.4	1552.0 1.66E-09(1.7)	3.6	1554.0 1.84E-09(1.8)
1560.0	2.11E-09(2.0)	3.2	9.9	1562.0 2.11E-09(2.0)	4.3	1564.0 2.27E-09(2.0)
1570.0	2.32E-09(2.1)	2.9	5.0	1572.0 2.42E-09(2.0)	12.9	1574.0 2.44E-09(2.0)
1580.0	2.35E-09(2.0)	13.4	13.6	1582.0 2.39E-09(2.0)	10.5	1584.0 2.44E-09(2.0)
1590.0	2.37E-09(2.0)	11.1	9.6	1592.0 2.24E-09(2.0)	6.7	1594.0 2.23E-09(2.0)
1600.0	2.32E-09(2.0)	11.1	9.0	1602.0 2.09E-09(2.3)	7.9	1604.0 2.33E-09(2.3)
1610.0	2.25E-09(2.4)	13.6	7.1	1612.0 2.08E-09(2.3)	4.1	1614.0 2.02E-09(2.2)
1620.0	2.13E-09(2.1)	9.8	6.2	1622.0 2.07E-09(2.2)	11.2	1624.0 2.10E-09(2.3)
1630.0	2.00E-09(2.3)	4.8	1.7	1632.0 1.91E-09(2.3)	1.2	1634.0 1.95E-09(2.3)
1640.0	2.00E-09(2.4)	4.6	7.6	1642.0 1.99E-09(2.4)	12.9	1644.0 2.10E-09(2.5)
1650.0	2.16E-09(2.5)	6.7	4.3	1652.0 2.13E-09(2.4)	1.2	1654.0 2.14E-09(2.4)
1660.0	2.15E-09(2.4)	3.5	4.5	1662.0 2.16E-09(2.4)	2.5	1664.0 2.20E-09(2.5)
1670.0	2.15E-09(2.4)	10.3	6.7	1672.0 1.98E-09(2.5)	8.1	1674.0 2.13E-09(2.5)
1680.0	2.24E-09(2.5)	1.4	5.3	1682.0 2.30E-09(2.6)	3.9	1684.0 2.37E-09(2.6)
1690.0	2.15E-09(2.5)	7.5	6.8	1692.0 2.19E-09(2.5)	6.1	1694.0 2.20E-09(2.5)
1700.0	2.19E-09(2.6)	3.8	3.1	1702.0 2.14E-09(2.6)	4.2	1704.0 2.10E-09(2.6)
1710.0	2.14E-09(2.6)	5.0	6.9	1712.0 2.18E-09(2.6)	6.9	1714.0 2.18E-09(2.6)
1720.0	2.15E-09(2.6)	3.3	6.2	1722.0 2.10E-09(2.6)	6.1	1724.0 2.02E-09(2.6)
1730.0	1.96E-09(2.5)	4.0	3.7	1732.0 1.98E-09(2.5)	3.7	1734.0 1.97E-09(2.5)
1740.0	1.92E-09(2.4)	10.3	5.3	1742.0 1.98E-09(2.5)	5.3	1744.0 1.93E-09(2.5)
1750.0	1.95E-09(2.4)	4.0	5.3	1752.0 2.02E-09(2.5)	5.9	1754.0 2.04E-09(2.5)
1760.0	1.91E-09(2.4)	9.0	6.0	1762.0 1.88E-09(2.4)	3.3	1764.0 1.84E-09(2.4)
1770.0	1.89E-09(2.4)	2.6	3.9	1772.0 1.88E-09(2.4)	4.3	1774.0 1.85E-09(2.4)
1780.0	1.77E-09(2.4)	2.8	2.8	1782.0 1.75E-09(2.4)	2.4	1784.0 1.76E-09(2.4)
1790.0	1.76E-09(2.3)	7.7	3.5	1792.0 1.75E-09(2.3)	6.0	1794.0 1.76E-09(2.3)
1800.0	1.79E-09(2.2)	3.3	3.4	1802.0 1.78E-09(2.2)	3.4	1804.0 1.78E-09(2.2)
1810.0	1.79E-09(2.2)	2.3	2.8	1812.0 1.77E-09(2.2)	1.5	1814.0 1.74E-09(2.2)
1820.0	1.76E-09(2.2)	5.7	8.3	1822.0 1.78E-09(2.1)	8.6	1824.0 1.81E-09(2.1)
1830.0	1.79E-09(2.2)	3.8	2.8	1830.0 1.79E-09(2.2)	2.2	1830.0 1.80E-09(2.2)
1840.0	1.79E-09(2.2)	8.0	1.6	1840.0 1.79E-09(2.2)	1.6	1840.0 1.82E-09(2.2)
1850.0	1.61E-09(2.1)	4.8	2.2	1850.0 1.57E-09(2.1)	2.2	1850.0 1.62E-09(2.1)
1860.0	1.50E-09(2.0)	4.5	6.0	1860.0 1.45E-09(2.0)	6.0	1860.0 1.43E-09(2.0)
1870.0	1.40E-09(2.0)	2.2	1.8	1870.0 1.35E-09(2.0)	1.8	1870.0 1.30E-09(2.0)
1880.0	1.35E-09(1.9)	10.3	8.1	1880.0 1.30E-09(1.9)	8.1	1880.0 1.30E-09(1.9)
1890.0	1.27E-09(1.9)	10.1	12.0	1890.0 1.24E-09(1.8)	12.0	1890.0 1.25E-09(1.8)
1900.0	1.24E-09(1.8)	14.0	17.4	1900.0 1.23E-09(1.7)	17.4	1900.0 1.18E-09(1.7)
1910.0	1.10E-09(1.7)	15.6	17.3	1910.0 1.10E-09(1.7)	17.3	1910.0 1.16E-09(1.7)
1920.0	1.14E-09(1.5)	11.4	14.3	1920.0 1.12E-09(1.5)	14.3	1920.0 1.07E-09(1.5)
1930.0	1.02E-09(1.5)	14.9	16.3	1930.0 1.04E-09(1.4)	16.3	1930.0 1.04E-09(1.4)
1940.0	9.99E-10(1.3)	12.2	13.0	1940.0 9.75E-10(1.3)	13.0	1940.0 9.59E-10(1.3)
1950.0	9.52E-10(1.2)	10.8	12.4	1950.0 9.64E-10(1.2)	12.4	1950.0 9.75E-10(1.2)
1960.0	9.01E-10(1.1)	10.3	11.9	1960.0 9.64E-10(1.1)	11.9	1960.0 9.64E-10(1.1)
1970.0	8.95E-10(1.1)	14.7	13.1	1970.0 8.64E-10(1.1)	13.1	1970.0 8.51E-10(1.1)
1980.0	7.97E-10(1.0)	14.6	17.6	1980.0 8.00E-10(1.0)	17.6	1980.0 8.24E-10(1.0)
1990.0	8.10E-10(1.0)	16.2	13.0	1990.0 7.79E-10(1.0)	13.0	1990.0 7.65E-10(1.0)
2000.0	7.64E-10(.9)	15.5	9.4	2000.0 7.62E-10(.9)	9.4	2000.0 7.64E-10(.9)
2010.0	8.58E-10(.8)	14.1	13.5	2010.0 8.82E-10(.8)	13.5	2010.0 8.70E-10(.8)
2020.0	7.55E-10(.8)	15.4	14.6	2020.0 7.39E-10(.8)	14.6	2020.0 7.32E-10(.8)
2030.0	7.51E-10(.7)	12.6	11.3	2030.0 7.36E-10(.7)	11.3	2030.0 7.15E-10(.7)
2040.0	7.44E-10(.7)	7.4	7.3	2040.0 7.25E-10(.7)	7.3	2040.0 7.15E-10(.7)
2050.0	7.44E-10(.6)	13.1	16.1	2050.0 7.39E-10(.6)	16.1	2050.0 7.68E-10(.6)
2060.0	7.15E-10(.6)	12.6	5.0	2060.0 7.02E-10(.6)	5.0	2060.0 7.03E-10(.5)
2070.0	7.30E-10(.5)	4.1	5.2	2070.0 7.14E-10(.5)	5.2	2070.0 6.69E-10(.5)
2080.0	5.90E-10(.5)	6.3	10.3	2080.0 5.85E-10(.5)	10.3	2080.0 5.72E-10(.5)
2090.0	5.36E-10(.5)	10.2	5.6	2090.0 5.40E-10(.5)	5.6	2090.0 5.58E-10(.5)
2100.0	5.79E-10(.5)	10.7	7.5	2100.0 5.69E-10(.5)	7.5	2100.0 5.68E-10(.4)
2110.0	6.17E-10(.4)	5.3	4.2	2110.0 6.07E-10(.4)	4.2	2110.0 6.27E-10(.4)
2120.0	5.74E-10(.4)	4.8	10.5	2120.0 5.54E-10(.4)	10.5	2120.0 5.27E-10(.4)
2130.0	4.75E-10(.4)	7.0	13.5	2130.0 4.97E-10(.4)	13.5	2130.0 5.18E-10(.4)
2140.0	4.93E-10(.4)	16.3	11.3	2140.0 4.90E-10(.4)	11.3	2140.0 4.92E-10(.4)
2150.0	4.99E-10(.4)	11.1	11.6	2150.0 5.04E-10(.4)	11.6	2150.0 5.11E-10(.3)
2160.0	5.29E-10(.3)	3.4	3.0	2160.0 5.27E-10(.3)	3.0	2160.0 5.20E-10(.3)
2170.0	4.76E-10(.3)	5.2	4.8	2170.0 4.95E-10(.3)	4.8	2170.0 4.46E-10(.3)
2180.0	4.56E-10(.3)	7.8	12.9	2180.0 4.69E-10(.3)	12.9	2180.0 4.80E-10(.3)
2190.0	4.54E-10(.3)	8.4	17.0	2190.0 4.79E-10(.3)	17.0	2190.0 4.87E-10(.3)
2200.0	4.44E-10(.3)	14.9	5.1	2200.0 4.40E-10(.3)	5.1	2200.0 4.37E-10(.2)
2210.0	4.85E-10(.2)	2.7	1.2	2210.0 5.21E-10(.2)	1.2	2210.0 5.19E-10(.2)
2220.0	4.56E-10(.2)	1.6	1.0	2220.0 4.71E-10(.2)	1.0	2220.0 4.88E-10(.2)
2230.0	4.56E-10(.2)	1.0	1.2	2230.0 4.31E-10(.2)	1.2	2230.0 4.06E-10(.2)
2240.0	4.56E-10(.2)	1.8	3.8	2240.0 4.31E-10(.2)	3.8	2240.0 4.06E-10(.2)
2250.0	2.91E-10(.3)	1.8	5.2	2250.0 2.73E-10(.3)	5.2	2250.0 2.41E-10(.3)
2260.0	2.62E-10(.3)	3.1	2.1	2260.0 2.52E-10(.3)	2.1	2260.0 2.41E-10(.3)
2270.0	2.09E-10(.4)	10.9	11.3	2270.0 1.96E-10(.4)	11.3	2270.0 1.83E-10(.4)
2280.0	1.50E-10(.5)	11.2	9.5	2280.0 1.40E-10(.5)	9.5	2280.0 1.31E-10(.6)
2290.0	1.18E-10(.7)	9.8	12.0	2290.0 1.16E-10(.7)	12.0	2290.0 1.15E-10(.7)
2300.0	1.08E-10(.8)	15.1	15.5	2300.0 1.05E-10(.8)	15.5	2300.0 1.01E-10(.8)
2310.0	8.89E-11(1.0)	14.0	13.5	2310.0 8.49E-11(1.0)	13.5	2310.0 8.15E-11(1.0)
2320.0	4.54E-10(.3)	8.4	13.1	2320.0 4.79E-10(.3)	13.1	2320.0 4.87E-10(.3)
2330.0	4.44E-10(.3)	14.9	9.4	2330.0 4.40E-10(.3)	9.4	2330.0 4.37E-10(.2)
2340.0	4.85E-10(.2)	2.7	1.2	2340.0 5.21E-10(.2)	1.2	2340.0 5.19E-10(.2)
2350.0	4.56E-10(.2)	1.6	1.0	2350.0 4.71E-10(.2)	1.0	2350.0 4.88E-10(.2)
2360.0	4.56E-10(.2)	1.0	1.2	2360.0 4.31E-10(.2)	1.2	2360.0 4.06E-10(.2)
2370.0	2.91E-10(.3)	1.8	3.8	2370.0 2.73E-10(.3)	3.8	2370.0 2.41E-10(.3)
2380.0	2.62E-10(.3)	3.1	2.1	2380.0 2.52E-10(.3)	2.1	2380.0 2.41E-10(.3)
2390.0	2.09E-10(.4)	10.9	11.3	2390.0 1.96E-10(.4)	11.3	2390.0 1.83E-10(.4)
2400.0	1.50E-10(.5)	11.2	9.5	2400.0 1.40E-10(.5)	9.5	2400.0 1.31E-10(.6)
2410.0	1.18E-10(.7)	9.8	12.0	2410.0 1.16E-10(.7)	12.0	2410.0 1.15E-10(.7)
2420.0	1.08E-10(.8)	15.1	15.5	2420.0 1.05E-10(.8)	15.5	2420.0 1.01E-10(.8)
2430.0	8.89E-11(1.0)	14.0	13.5	2430.0 8.49E-11(1.0)	13.5	2430.0 8.15E-11(1.0)
2440.0	4.54E-10(.3)	8.4	13.1	2440.0 4.79E-10(.3)	13.1	2440.0 4.87E-10(.3)
2450.0	4.44E-10(.3)	14.9	9.4	2450.0 4.40E-10(.3)	9.4	2450.0 4.37E-10(.2)
2460.0	4.85E-10(.2)	2.7	1.2	2460.0 5.21E-10(.2)	1.2	2460.0 5.19E-10(.2)
2470.0	4.56E-10(.2)	1.6	1.0	2470.0 4.71E-10(.2)	1.0	2470.0 4.88E-10(.2)
2480.0	4.56E-10(.2)	1.0	1.2	2480.0 4.31E-10(.2)	1.2	2480.0 4.06E-10(.2)
2490.0	2.91E-10(.3)	1.8	3.8	2490.0 2.73E-10(.3)	3.8	2490.0 2.41E-10(.3)
2500.0	2.62E-10(.3)	3.1	2.1	2500.0 2.52E-10(.3)	2.1	2500.0 2.41E-10

R = 0.79.

HD 36695

VV ORI

HD 36695

LAMBDA	F	(WT, SIG)	F = AVE FLUX FROM LAM-DEL/2 TO LAM+DEL/2	F	(WT, SIG)	F = AVE FLUX FROM LAM-DEL/2 TO LAM+DEL/2	F	(WT, SIG)	F = AVE FLUX FROM LAM-DEL/2 TO LAM+DEL/2	F	(WT, SIG)	F = AVE FLUX FROM LAM-DEL/2 TO LAM+DEL/2	F	(WT, SIG)	F = AVE FLUX FROM LAM-DEL/2 TO LAM+DEL/2
1540U	6.97E-10	(2.0 0.0)	1542U	8.12E-10	(3.0 0.0)	1544U	6.94E-10	(3.0 0.0)	1546U	7.98E-10	(3.0 0.0)	1548U	8.97E-10	(4.0 0.0)	
1550U	8.07E-10	(4.0 0.0)	1552U	7.14E-10	(3.0 0.0)	1554U	6.17E-10	(3.0 0.0)	1556U	7.86E-10	(4.0 0.0)	1558U	8.66E-10	(4.0 0.0)	
1560U	7.68E-10	(4.0 0.0)	1562U	7.60E-10	(4.0 0.0)	1564U	7.54E-10	(4.0 0.0)	1566U	8.02E-10	(5.0 0.0)	1568U	8.75E-10	(6.0 0.0)	
1570	9.61E-10	(6.0 0.0)	1572	9.27E-10	(6.0 0.0)	1574	8.23E-10	(6.0 0.0)	1576U	8.44E-10	(6.0 0.0)	1578U	9.16E-10	(7.0 0.0)	
1580	8.91E-10	(7.0 0.0)	1582	9.87E-10	(8.0 0.0)	1584U	1.03E-09	(8.0 0.0)	1586U	9.79E-10	(8.0 0.0)	1588U	8.98E-10	(8.0 0.0)	
1590	8.23E-10	(7.0 0.0)	1592	8.08E-10	(7.0 0.0)	1594	8.53E-10	(8.0 0.0)	1596U	8.83E-10	(9.0 0.0)	1598U	9.11E-10	(9.0 0.0)	
1600	9.32E-10	(9.0 0.0)	1602	9.37E-10	(9.0 0.0)	1604	1.01E-09	(10.0 0.0)	1606U	1.05E-09	(10.0 0.0)	1608U	9.39E-10	(10.0 0.0)	
1610	8.20E-10	(9.0 0.0)	1612	8.12E-10	(9.0 0.0)	1614U	8.99E-10	(9.0 0.0)	1616U	9.54E-10	(10.0 0.0)	1618U	8.54E-10	(6.0 0.0)	
1620	9.06E-10	(10.0 0.0)	1622	9.18E-10	(10.0 0.0)	1624U	8.89E-10	(10.0 0.0)	1626U	8.63E-10	(10.0 1.9)	1628U	8.75E-10	(10.0 2.0)	
1630	8.43E-10	(10.0 2.4)	1632	7.95E-10	(10.0 2.5)	1634U	7.95E-10	(10.0 8.0)	1636U	7.98E-10	(10.0 7.8)	1638U	7.88E-10	(10.0 3.5)	
1640	7.68E-10	(11.0 1.2)	1642	7.57E-10	(11.0 2.0)	1644U	7.91E-10	(12.0 13.8)	1646U	7.79E-10	(12.0 22.1)	1648U	7.60E-10	(13.0 16.6)	
1650	7.60E-10	(12.0 10.6)	1652	7.27E-10	(11.0 5.7)	1654U	7.16E-10	(11.0 8.8)	1656U	8.05E-10	(11.0 13.8)	1658U	7.70E-10	(11.0 11.9)	
1660	7.63E-10	(13.0 13.3)	1662	7.70E-10	(14.0 8.6)	1664U	7.89E-10	(11.0 3.8)	1666U	8.16E-10	(11.0 4.1)	1668U	8.48E-10	(15.0 1.8)	
1670	8.87E-10	(15.0 7.7)	1672	8.59E-10	(15.0 4.7)	1674U	7.94E-10	(14.0 5.2)	1676U	7.77E-10	(14.0 9.3)	1678U	7.94E-10	(15.0 4.2)	
1680	8.26E-10	(15.0 5.2)	1682	7.96E-10	(15.0 5.5)	1684U	6.64E-10	(14.0 11.6)	1686U	7.03E-10	(15.0 5.7)	1688U	7.54E-10	(16.0 5.8)	
1690	8.83E-10	(17.0 3.4)	1692	9.21E-10	(18.0 5.7)	1694U	9.38E-10	(8.0 7.6)	1696U	9.04E-10	(18.0 5.7)	1698U	8.78E-10	(15.0 2.1)	
1700	8.30E-10	(17.0 2.2)	1702	8.38E-10	(16.0 6.2)	1704U	7.68E-10	(16.0 7.7)	1706U	7.42E-10	(16.0 4.3)	1708U	7.55E-10	(16.0 5.1)	
1710	7.52E-10	(16.0 7.9)	1712	7.49E-10	(16.0 5.3)	1714U	7.71E-10	(17.0 2.0)	1716U	7.98E-10	(18.0 2.2)	1718U	7.96E-10	(18.0 7.1)	
1720	7.92E-10	(19.0 7.8)	1722	8.06E-10	(18.0 4.0)	1724U	7.87E-10	(18.0 1.0)	1726U	7.48E-10	(17.0 5.0)	1728U	7.47E-10	(17.0 6.2)	
1730	7.74E-10	(17.0 6.5)	1732	7.98E-10	(18.0 4.7)	1734U	8.19E-10	(20.0 9.0)	1736U	8.14E-10	(20.0 2.0)	1738U	7.85E-10	(20.0 1.9)	
1740	7.84E-10	(20.0 1.2)	1742	8.40E-10	(20.0 4.7)	1744U	8.96E-10	(20.0 8.4)	1746U	8.86E-10	(20.0 7.5)	1748U	8.28E-10	(20.0 4.2)	
1750	7.93E-10	(20.0 2.9)	1752	7.89E-10	(20.0 3.3)	1754U	7.75E-10	(20.0 1.2)	1756U	7.99E-10	(20.0 4.3)	1758U	8.07E-10	(20.0 5.8)	
1760	8.15E-10	(20.0 2.5)	1762	8.16E-10	(20.0 4.0)	1764U	7.97E-10	(20.0 1.2)	1766U	7.70E-10	(20.0 6.4)	1768U	7.55E-10	(20.0 10.0)	
1770	7.51E-10	(20.0 6.0)	1772	7.54E-10	(20.0 1.4)	1774U	7.78E-10	(20.0 0.0)	1776U	8.13E-10	(20.0 2.3)	1778U	8.28E-10	(20.0 6.2)	
1780	8.12E-10	(20.0 7.7)	1782	7.89E-10	(20.0 4.6)	1784U	7.69E-10	(20.0 0.0)	1786U	7.56E-10	(20.0 2.5)	1788U	7.51E-10	(20.0 2.5)	
1790	7.41E-10	(20.0 3.0)	1792	7.99E-10	(20.0 5.4)	1794U	7.09E-10	(20.0 5.4)	1796U	7.05E-10	(20.0 4.8)	1798U	7.05E-10	(20.0 3.7)	
1800	7.07E-10	(20.0 2.9)	1802	7.16E-10	(19.0 3.4)	1804U	7.40E-10	(19.0 4.8)	1806U	7.71E-10	(19.0 4.8)	1808U	7.93E-10	(19.0 1.5)	
1810	7.87E-10	(19.0 3.3)	1812	7.64E-10	(19.0 2.2)	1814U	7.47E-10	(19.0 1.4)	1816U	7.45E-10	(19.0 3.6)	1818U	7.60E-10	(19.0 5.0)	
1820	7.76E-10	(19.0 5.7)	1822	7.69E-10	(19.0 6.6)	1824U	7.43E-10	(19.0 7.3)	1826U	7.34E-10	(19.0 5.9)	0	0	(0.0 0.0)	
1830	7.09E-10	(19.0 3.2)	1835	7.55E-10	(19.0 4.2)	1840	7.83E-10	(19.0 2.0)	1845	7.47E-10	(19.0 2.6)	1820	7.71E-10	(19.0 5.8)	
1825	7.42E-10	(19.0 6.4)	1830	7.82E-10	(19.0 1.1)	1835	7.84E-10	(19.0 1.0)	1840	6.67E-10	(18.0 2.6)	1845	6.49E-10	(18.0 4.7)	
1850	7.72E-10	(18.0 1.8)	1855	7.57E-10	(18.0 5.0)	1860	7.10E-10	(18.0 3.7)	1865	6.81E-10	(18.0 2.5)	1870	7.18E-10	(18.0 1.4)	
1875	7.15E-10	(18.0 1.4)	1880	6.99E-10	(18.0 6.4)	1885	6.50E-10	(18.0 7.3)	1890	6.12E-10	(18.0 4.5)	1895	6.35E-10	(18.0 2.6)	
1900	6.34E-10	(18.0 7.7)	1905	6.04E-10	(18.0 1.2)	1910	6.20E-10	(18.0 3.5)	1915	5.96E-10	(18.0 1.7)	1920	5.79E-10	(18.0 7.8)	
1925	5.50E-10	(18.0 2.1)	1930	5.41E-10	(17.0 7.0)	1935	5.44E-10	(17.0 5.3)	1940	5.38E-10	(17.0 1.8)	1945	5.12E-10	(17.0 8.8)	
1950	5.07E-10	(17.0 5.5)	1955	5.08E-10	(17.0 8.0)	1960	4.93E-10	(17.0 1.2)	1965	4.70E-10	(17.0 1.2)	1970	4.52E-10	(17.0 5.8)	
1975	5.25E-10	(16.0 1.6)	1980	4.97E-10	(16.0 2.2)	1985	4.93E-10	(16.0 1.2)	1990	4.96E-10	(16.0 3.3)	1995	4.75E-10	(16.0 5.1)	
2000	4.65E-10	(16.0 2.2)	2005	4.83E-10	(16.0 2.3)	2010	4.82E-10	(16.0 4.5)	2015	4.52E-10	(16.0 1.5)	2020	4.51E-10	(15.0 2.2)	
2025	4.54E-10	(15.0 2.2)	2030	4.48E-10	(15.0 5.5)	2035	4.50E-10	(15.0 1.5)	2040	4.42E-10	(15.0 1.8)	2045	4.26E-10	(15.0 3.5)	
2050	4.29E-10	(15.0 4.4)	2055	4.39E-10	(15.0 1.1)	2060	4.41E-10	(15.0 4.7)	2065	4.28E-10	(15.0 4.6)	2070	4.33E-10	(15.0 2.4)	
2075	4.37E-10	(15.0 2.9)	2080	4.34E-10	(15.0 4.7)	2085	4.23E-10	(15.0 3.4)	2090	4.08E-10	(15.0 3.8)	2095	4.03E-10	(13.0 5.3)	
2100	3.92E-10	(13.0 2.7)	2105	3.77E-10	(13.0 7.7)	2110	3.77E-10	(13.0 1.7)	2115	3.95E-10	(12.0 1.9)	2120	4.08E-10	(12.0 1.7)	
2125	4.01E-10	(12.0 3.3)	2130	3.84E-10	(12.0 2.9)	2135	3.72E-10	(12.0 1.4)	2140	3.95E-10	(12.0 1.2)	2145	3.75E-10	(12.0 1.7)	
2150	3.81E-10	(11.0 8.0)	2155	3.74E-10	(11.0 6.6)	2160	3.66E-10	(11.0 1.2)	2165	3.66E-10	(11.0 3.6)	2170	3.55E-10	(11.0 1.6)	
2175	3.77E-10	(11.0 8.0)	2180	3.63E-10	(11.0 1.5)	2185	3.47E-10	(11.0 3.1)	2190	3.42E-10	(11.0 6.2)	2195	3.45E-10	(10.0 4.8)	
2200	3.54E-10	(10.0 8.1)	2205	3.56E-10	(10.0 10.0)	2210	3.46E-10	(10.0 9.8)	2215	3.33E-10	(10.0 6.5)	2220	3.25E-10	(10.0 2.4)	
2225	3.17E-10	(10.0 3.1)	2230	3.06E-10	(10.0 8.2)	2235	3.00E-10	(10.0 11.9)	2240	3.04E-10	(10.0 9.0)	2245	3.08E-10	(10.0 2.9)	
2250E	3.09E-10	(10.0 0.0)	2255E	3.10E-10	(10.0 0.0)	2260E	3.08E-10	(10.0 2.7)	2265E	3.03E-10	(9.0 9.8)	2270E	3.02E-10	(9.0 1.6)	
2275E	3.05E-10	(9.0 2.2)	2280E	3.04E-10	(9.0 1.8)	2285E	3.00E-10	(9.0 1.9)	2290E	2.96E-10	(9.0 2.8)	2295E	2.91E-10	(9.0 5.7)	
2300E	2.88E-10	(9.0 7.2)	2305E	2.87E-10	(9.0 6.4)	2310E	2.89E-10	(9.0 3.9)	2315E	2.91E-10	(9.0 2.1)	0	0	(0.0 0.0)	
2300E	2.88E-10	(9.0 6.8)	2310E	2.89E-10	(9.0 3.9)	2320E	2.95E-10	(9.0 2.5)	2330E	3.04E-10	(8.0 7.1)	2340E	2.96E-10	(8.0 7.9)	
2350E	2.89E-10	(8.0 5.2)	2360E	2.92E-10	(8.0 2.8)	2370E	2.94E-10	(8.0 2.4)	2380E	2.87E-10	(8.0 2.0)	2390E	2.84E-10	(8.0 5.1)	
2400E	2.81E-10	(8.0 8.0)	2410E	2.77E-10	(7.0 7.3)	2420E	2.77E-10	(7.0 2.7)	2430E	2.67E-10	(7.0 1.1)	2440E	2.65E-10	(7.0 1.2)	
2450E	2.67E-10	(7.0 7.3)	2460E	2.61E-10	(7.0 2.8)	2470E	2.56E-10	(7.0 3.1)	2480E	2.56E-10	(7.0 2.9)	2490E	2.59E-10	(7.0 3.6)	
2500E	2.56E-10	(7.0 9.5)	2510E	2.48E-10	(7.0 16.8)	2520E	2.46E-10	(7.0 19.9)	2530E	2.42E-10	(7.0 17.6)	2540E	2.36E-10	(7.0 12.9)	
2550E	2.37E-10	(7.0 10.7)	2560E	2.43E-10	(7.0 13.6)	2570E	2.45E-10	(6.0 16.1)	2580E	2.36E-10	(6.0 15.9)	2590E	2.22E-10	(7.0 16.8)	
2600E	2.14E-10	(7.0 16.4)	2610E	2.12E-10	(7.0 14.1)	2620E	2.13E-10	(7.0 11.8)	2630E	2.13E-10	(6.0 15.9)	2640E	2.13E-10	(6.0 15.9)	
2650E	2.03E-10	(6.0 9.8)	2660E	2.08E-10	(6.0 9.2)	2670E	2.15E-10	(6.0 8.0)	2680E	2.15E-10	(6.0 8.0)	2690E	2.09E-10	(6.0 10.2)	
2700E	2.06E-10	(6.0 12.0)	2710E	2.03E-10	(6.0 10.8)	2720E	1.99E-10	(6.0 7.6)	2730E	1.95E-10	(6.0 5.0)	2740E	1.94E-10	(6.0 3.6)	
2750E	1.95E-10	(6.0 3.2)	2760E	1.98E-10	(6.0 3.9)	2770E	1.98E-10	(6.0 5.1)	2780E	1.94E-10	(6.0 6.3)	2790E	1.89E-10	(6.0 7.4)	
2800E	1.86E-10	(6.0 8.4)	2810E	1.86E-10	(6.0 9.5)	2820E	1.88E-10	(6.0 10.1)	2830E	1.88E-10	(5.0 10.1)	2840E	1.86E-10	(5.0 9.2)	
2850E	1.84E-10	(5.0 7.8)	2860E	1.82E-10	(5.0 7.1)	2870E	1.84E-10	(5.0 8.0)	2880E	1.86E-10	(5.0 11.0)	2890E	1.89E-10	(5.0 13.9)	
2900E	1.91E-10	(5.0 15.6)	2910E	1.94E-10	(5.0 15.1)	2920E	1.94E-10	(5.0 12.9)	2930E	1.92E-10	(5.0 10.0)	2940E	1.88E-10	(5.0 7.5)	
2950E	1.82E-10	(5.0 5.4)	2960E	1.77E-10	(5.0 4.4)	2970E	1.74E-10	(5.0 8.8)	2980E	1.72E-10	(5.0 7.0)	2990E	0.70E-10	(10.0 6.0)	
3000E	1.69E-10	(5.0 13.6)	3010E	1.71E-10	(5.0 15.2)	3020E	1.73E-10	(5.0 15.2)	3030E	1.74E-10	(5.0 14.2)	0	0	(0.0 0.0)	
3000E	1.70E-10	(5.0 13.3)	3020E	1.73E-10	(5.0 15.2)	3040E	1.72E-10	(5.0 13.3)	3060E	1.63E-10	(5.0 11.9)	3080E	1.55E-10	(5.0 7.9)	
3100E	1.56E-10	(4.0 1.5)	3120E	1.59E-10	(4.0 1.5)	3140E	1.58E-10	(4.0 4.2)	3160E	1.58E-10	(4.0 5.5)	3180E	1.62E-10	(4.0 6.7)	
3200E	1.68E-10	(4.0 9.2)	3220E	1.70E-10	(4.0 7.6)	3240E	1.67E-10	(4.0 2.0)	3260E	1.63E-1					

X,Y(MM) -8.7 13.8 SL3-264 19 SCANS, T= 236 VV ORI WT 1.0, SCALE 1.05

X,Y(MM) -8.7 13.8 SL3-265 18 SCANS, T= 80 VV ORI WT 1.0, SCALE .94

R = 0.68:

LAMBDA	F	(WT, SIG)	F - AVE FLUX	FROM LAM-DEL/2	TO LAM+DEL/2
1660, 0.0	(0.0 0.0)	1662, 0.0	(0.0 0.0)	1664, 0.0	(0.0 0.0)
1670, 3.28E-10	(.7 0.0)	1672, 3.15E-10	(.6 0.0)	1674, 3.09E-10	(.6 0.0)
1680, 3.23E-10	(.8 0.0)	1682, 3.07E-10	(.7 0.0)	1684, 3.22E-10	(.8 0.0)
1690, 3.53E-10	(.9 0.0)	1692, 3.39E-10	(.8 0.0)	1694, 3.35E-10	(.8 0.0)
1700, 2.86E-10	(.7 0.0)	1702, 2.86E-10	(.7 0.0)	1704, 2.96E-10	(.8 0.0)
1710, 3.20E-10	(.9 0.0)	1712, 3.24E-10	(.9 0.0)	1714, 3.39E-10	(.9 0.0)
1720, 3.18E-10	(.9 0.0)	1722, 3.00E-10	(.9 0.0)	1724, 2.87E-10	(.9 0.0)
1730, 3.28E-10	(.9 0.0)	1732, 3.25E-10	(.9 0.0)	1734, 3.13E-10	(.9 0.0)
1740, 3.01E-10	(.9 0.0)	1742, 2.93E-10	(.9 0.0)	1744, 2.94E-10	(.9 0.0)
1750, 2.94E-10	(.9 0.0)	1752, 3.02E-10	(.9 0.0)	1754, 3.16E-10	(.9 0.0)
1760, 3.33E-10	(.9 0.0)	1762, 3.22E-10	(.9 0.0)	1764, 3.08E-10	(.9 0.0)
1770, 2.68E-10	(.9 0.0)	1772, 2.67E-10	(.9 0.0)	1774, 2.70E-10	(.9 0.0)
1780, 2.76E-10	(.9 0.0)	1782, 2.79E-10	(.9 0.0)	1784, 2.83E-10	(.9 0.0)
1790, 2.83E-10	(.9 0.0)	1792, 2.78E-10	(.9 0.0)	1794, 2.77E-10	(.9 0.0)
1800, 2.85E-10	(.9 0.0)	1802, 2.84E-10	(.9 0.0)	1804, 2.84E-10	(.9 0.0)
1810, 2.78E-10	(.9 0.0)	1812, 2.79E-10	(.9 0.0)	1814, 2.83E-10	(.9 0.0)
1820, 2.86E-10	(.9 0.0)	1822, 2.87E-10	(.9 0.0)	1824, 2.80E-10	(.9 0.0)
1830, 2.84E-10	(.9 0.0)	1832, 2.79E-10	(.9 0.0)	1834, 2.79E-10	(.9 0.0)
1840, 2.75E-10	(.9 0.0)	1842, 2.50E-10	(.9 0.0)	1844, 2.40E-10	(.9 0.0)
1850, 2.17E-10	(.9 0.0)	1852, 2.22E-10	(.9 0.0)	1854, 2.24E-10	(.9 0.0)
1860, 2.19E-10	(.9 0.0)	1862, 2.10E-10	(.9 0.0)	1864, 2.03E-10	(.9 0.0)
1870, 1.91E-10	(.8 4.0)	1872, 1.95E-10	(.6 4.9)	1874, 1.83E-10	(.3 6.3)
1880, 1.73E-10	(.9 3.6)	1882, 1.67E-10	(.2 6.0)	1884, 1.64E-10	(.2 9.4)
1890, 1.64E-10	(.3 1.9)	1892, 1.72E-10	(.3 5.8)	1894, 1.75E-10	(.4 6.9)
1900, 1.72E-10	(.3 3.7)	1902, 1.60E-10	(.5 4.1)	1904, 1.60E-10	(.5 2.0)
1910, 1.58E-10	(.6 2.8)	1912, 1.65E-10	(.7 3.6)	1914, 1.61E-10	(.7 3.7)
1920, 1.60E-10	(.7 3.3)	1922, 1.61E-10	(.7 2.4)	1924, 1.58E-10	(.7 4.3)
1930, 1.50E-10	(.7 2.4)	1932, 1.50E-10	(.7 3.3)	1934, 1.49E-10	(.7 2.7)
1940, 1.35E-10	(.7 3.3)	1942, 1.27E-10	(.7 3.2)	1944, 1.23E-10	(.7 4.4)
1950, 1.26E-10	(.7 4.7)	1952, 1.25E-10	(.7 4.6)	1954, 1.22E-10	(.7 2.5)
1960, 1.23E-10	(.7 1.4)	1962, 1.24E-10	(.7 4.5)	1964, 1.22E-10	(.7 5.9)
1970, 1.17E-10	(.7 8.1)	1972, 1.11E-10	(.7 6.8)	1974, 1.06E-10	(.7 6.4)
1980, 1.08E-10	(.6 2.3)	1982, 1.07E-10	(.6 3.5)	1984, 1.05E-10	(.6 4.2)
1990, 1.11E-10	(.6 3.9)	1992, 1.07E-10	(.6 5.0)	1994, 1.07E-10	(.6 3.0)
2000, 1.08E-10	(.5 5.6)	2002, 1.08E-10	(.5 3.3)	2004, 1.07E-10	(.5 4.7)
2010, 1.03E-10	(.5 1.4)	2012, 1.01E-10	(.5 2.7)	2014, 9.70E-11	(.5 4.3)
2020, 9.74E-11	(.5 6.0)	2022, 9.95E-11	(.5 5.5)	2024, 9.94E-11	(.5 5.1)
2030, 9.22E-11	(.5 7.6)	2032, 8.83E-11	(.5 5.9)	2034, 8.64E-11	(.5 3.6)
2040, 9.18E-11	(.5 7.0)	2042, 8.67E-11	(.4 3.7)	2044, 9.00E-11	(.4 1.7)
2050, 8.29E-11	(.4 5.5)	2052, 9.08E-11	(.3 3.5)	2054, 9.10E-11	(.3 2.1)
2060, 7.83E-11	(.3 2.9)	2062, 7.89E-11	(.3 5.1)	2064, 8.01E-11	(.2 5.5)
2070, 7.72E-11	(.2 6.8)	2072, 7.53E-11	(.2 5.2)	2074, 7.51E-11	(.2 4.0)
2080, 7.60E-11	(.2 2.6)	2082, 7.57E-11	(.2 3.7)	2084, 7.44E-11	(.2 4.2)
2090, 7.22E-11	(.1 1.7)	2092, 7.27E-11	(.1 2.0)	2094, 7.31E-11	(.1 3.2)
2100, 6.71E-11	(.1 6.6)	2102, 6.85E-11	(.1 5.1)	2104, 6.94E-11	(.1 4.3)
2110, 6.53E-11	(.1 1.6)	2112, 6.53E-11	(.1 2.9)	2114, 6.43E-11	(.1 2.6)
2120, 6.53E-11	(.1 1.2)	2122, 6.53E-11	(.1 2.0)	2124, 6.43E-11	(.1 2.2)
2130, 6.18E-11	(.1 3.4)	2132, 6.06E-11	(.1 3.0)	2134, 5.90E-11	(.1 2.1)
2140, 5.91E-11	(.1 1.8)	2142, 6.03E-11	(.1 4.5)	2144, 6.06E-11	(.1 6.1)
2150, 5.86E-11	(.1 3.3)	2152, 5.80E-11	(.1 2.5)	2154, 5.75E-11	(.1 1.7)
2160, 6.00E-11	(.1 2.5)	2162, 6.06E-11	(.1 9.2)	2164, 6.00E-11	(.1 9.4)
2170, 5.56E-11	(.1 1.9)	2172, 5.49E-11	(.1 2.0)	2174, 5.48E-11	(.1 2.1)
2180, 5.56E-11	(.1 1.7)	2182, 5.48E-11	(.1 2.1)	2184, 5.50E-11	(.1 2.0)
2190, 5.21E-11	(.1 1.1)	2192, 5.09E-11	(.1 3.3)	2194, 5.15E-11	(.1 2.5)
2200, 5.02E-11	(.1 5.4)	2202, 4.78E-11	(.1 7.1)	2204, 4.64E-11	(.1 9.4)
2210, 4.96E-11	(.1 4.2)	2212, 5.09E-11	(.1 3.8)	2214, 5.16E-11	(.1 4.6)
2220, 4.61E-11	(.1 2.3)	2222, 4.44E-11	(.1 1.6)	2224, 4.35E-11	(.1 1.9)
2230, 4.08E-11	(.1 5.9)	2232, 4.01E-11	(.1 6.2)	2234, 3.90E-11	(.1 5.5)
2240, 3.63E-11	(.1 4.0)	2242, 3.60E-11	(.1 4.6)	2244, 3.55E-11	(.1 3.2)
2250, 3.41E-11	(.1 4.7)	2252, 3.42E-11	(.1 6.0)	2254, 3.40E-11	(.1 6.1)
2260, 3.17E-11	(.1 3.7)	2262, 3.12E-11	(.1 4.1)	2264, 3.09E-11	(.1 4.7)
2270, 3.03E-11	(.1 6.8)	2272, 3.01E-11	(.1 6.6)	2274, 3.00E-11	(.1 6.1)
2280, 3.00E-11	(.1 5.1)	2282, 3.04E-11	(.1 5.0)	2284, 3.08E-11	(.1 4.8)
2290, 3.24E-11	(.1 3.7)	2292, 3.31E-11	(.1 2.9)	2294, 3.40E-11	(.1 1.9)
2300, 3.00E-11	(.1 0.0)	2302, 3.00E-11	(.1 0.0)	2304, 3.00E-11	(.1 0.0)
2310, 3.00E-11	(.1 0.0)	2312, 3.00E-11	(.1 0.0)	2314, 3.00E-11	(.1 0.0)
2320, 3.00E-11	(.1 0.0)	2322, 3.00E-11	(.1 0.0)	2324, 3.00E-11	(.1 0.0)
2330, 3.00E-11	(.1 0.0)	2332, 3.00E-11	(.1 0.0)	2334, 3.00E-11	(.1 0.0)
2340, 3.00E-11	(.1 0.0)	2342, 3.00E-11	(.1 0.0)	2344, 3.00E-11	(.1 0.0)
2350, 3.00E-11	(.1 0.0)	2352, 3.00E-11	(.1 0.0)	2354, 3.00E-11	(.1 0.0)
2360, 3.00E-11	(.1 0.0)	2362, 3.00E-11	(.1 0.0)	2364, 3.00E-11	(.1 0.0)
2370, 3.00E-11	(.1 0.0)	2372, 3.00E-11	(.1 0.0)	2374, 3.00E-11	(.1 0.0)
2380, 3.00E-11	(.1 0.0)	2382, 3.00E-11	(.1 0.0)	2384, 3.00E-11	(.1 0.0)
2390, 3.00E-11	(.1 0.0)	2392, 3.00E-11	(.1 0.0)	2394, 3.00E-11	(.1 0.0)
2400, 3.00E-11	(.1 0.0)	2402, 3.00E-11	(.1 0.0)	2404, 3.00E-11	(.1 0.0)
2410, 3.00E-11	(.1 0.0)	2412, 3.00E-11	(.1 0.0)	2414, 3.00E-11	(.1 0.0)
2420, 3.00E-11	(.1 0.0)	2422, 3.00E-11	(.1 0.0)	2424, 3.00E-11	(.1 0.0)
2430, 3.00E-11	(.1 0.0)	2432, 3.00E-11	(.1 0.0)	2434, 3.00E-11	(.1 0.0)
2440, 3.00E-11	(.1 0.0)	2442, 3.00E-11	(.1 0.0)	2444, 3.00E-11	(.1 0.0)
2450, 3.00E-11	(.1 0.0)	2452, 3.00E-11	(.1 0.0)	2454, 3.00E-11	(.1 0.0)
2460, 3.00E-11	(.1 0.0)	2462, 3.00E-11	(.1 0.0)	2464, 3.00E-11	(.1 0.0)
2470, 3.00E-11	(.1 0.0)	2472, 3.00E-11	(.1 0.0)	2474, 3.00E-11	(.1 0.0)
2480, 3.00E-11	(.1 0.0)	2482, 3.00E-11	(.1 0.0)	2484, 3.00E-11	(.1 0.0)
2490, 3.00E-11	(.1 0.0)	2492, 3.00E-11	(.1 0.0)	2494, 3.00E-11	(.1 0.0)
2500, 3.00E-11	(.1 0.0)	2502, 3.00E-11	(.1 0.0)	2504, 3.00E-11	(.1 0.0)
2510, 3.00E-11	(.1 0.0)	2512, 3.00E-11	(.1 0.0)	2514, 3.00E-11	(.1 0.0)
2520, 3.00E-11	(.1 0.0)	2522, 3.00E-11	(.1 0.0)	2524, 3.00E-11	(.1 0.0)
2530, 3.00E-11	(.1 0.0)	2532, 3.00E-11	(.1 0.0)	2534, 3.00E-11	(.1 0.0)
2540, 3.00E-11	(.1 0.0)	2542, 3.00E-11	(.1 0.0)	2544, 3.00E-11	(.1 0.0)
2550, 3.00E-11	(.1 0.0)	2552, 3.00E-11	(.1 0.0)	2554, 3.00E-11	(.1 0.0)
2560, 3.00E-11	(.1 0.0)	2562, 3.00E-11	(.1 0.0)	2564, 3.00E-11	(.1 0.0)
2570, 3.00E-11	(.1 0.0)	2572, 3.00E-11	(.1 0.0)	2574, 3.00E-11	(.1 0.0)
2580, 3.00E-11	(.1 0.0)	2582, 3.00E-11	(.1 0.0)	2584, 3.00E-11	(.1 0.0)
2590, 3.00E-11	(.1 0.0)	2592, 3.00E-11	(.1 0.0)	2594, 3.00E-11	(.1 0.0)
2600, 3.00E-11	(.1 0.0)	2602, 3.00E-11	(.1 0.0)	2604, 3.00E-11	(.1 0.0)
2610, 3.00E-11	(.1 0.0)	2612, 3.00E-11	(.1 0.0)	2614, 3.00E-11	(.1 0.0)
2620, 3.00E-11	(.1 0.0)	2622, 3.00E-11	(.1 0.0)	2624, 3.00E-11	(.1 0.0)
2630, 3.00E-11	(.1 0.0)	2632, 3.00E-11	(.1 0.0)	2634, 3.00E-11	(.1 0.0)
2640, 3.00E-11	(.1 0.0)	2642, 3.00E-11	(.1 0.0)	2644, 3.00E-11	(.1 0.0)
2650, 3.00E-11	(.1 0.0)	2652, 3.00E-11	(.1 0.0)	2654, 3.00E-11	(.1 0.0)
2660, 3.00E-11	(.1 0.0)	2662, 3.00E-11	(.1 0.0)	2664, 3.00E-11	(.1 0.0)
2670, 3.00E-11	(.1 0.0)	2672, 3.00E-11	(.1 0.0)	2674, 3.00E-11	(.1 0.0)
2680, 3.00E-11	(.1 0.0)	2682, 3.00E-11	(.1 0.0)	2684, 3.00E-11	(.1 0.0)
2690, 3.00E-11	(.1 0.0)	2692, 3.00E-11	(.1 0.0)	2694, 3.00E-11	(.1 0.0)
2700, 3.00E-11	(.1 0.0)	2702, 3.00E-11	(.1 0.0)	2704, 3.00E-11	(.1 0.0)
2710, 3.00E-11	(.1 0.0)	2712, 3.00E-11	(.1 0.0)	2714, 3.00E-11	(.1 0.0)
2720, 3.00E-11	(.1 0.0)	2722, 3.00E-11	(.1 0.0)	2724, 3.00E-11	(.1 0.0)
2730, 3.00E-11	(.1 0.0)	2732, 3.00E-11	(.1 0.0)	2734, 3.00E-11	(.1 0.0)
2740, 3.00E-11	(.1 0.0)	2742, 3.00E-11	(.1 0.0)	2744, 3.00E-11	(.1 0.0)
2750, 3.00E-11	(.1 0.0)	2752, 3.00E-11	(.1 0.0)	2754, 3.00E-11	(.1 0.0)
2760, 3.00E-11	(.1 0.0)	2762, 3.00E-11	(.1 0.0)	2764, 3.00E-11	(.1 0.0)
2770, 3.00E-11	(.1 0.0)	2772, 3.00E-11	(.1 0.0)	2774, 3.00E-11	(.1 0.0)
2780, 3.00E-11	(.1 0.0)	2782, 3.00E-11	(.1 0.0)	2784, 3.00E-11	(.1 0.0)
2790, 3.00E-11	(.1 0.0)	2792, 3.00E-11	(.1 0.0)	2794, 3.00E-11	(.1 0.0)
2800, 3.00E-11	(.1 0.0)	2802, 3.00E-11	(.1 0.0)	2804, 3.00E-11	(.1 0.0)
2810, 3.00E-11	(.1 0.0)	2812, 3.00E-11	(.1 0.0)	2814, 3.00E-11	(.1 0.0)
2820, 3.00E-11	(.1 0.0)	2822, 3.00E-11	(.1 0.0)	2824, 3.00E-11	(.1 0.0)
2830, 3.00E-11	(.1 0.0)	2832, 3.00E-11	(.1 0.0)	2834, 3.00E-11	(.1 0.0)
2840, 3.00E-11	(.1 0.0)	2842, 3.00E-11	(.1 0.0)	2844, 3.00E-11	(.1 0.0)
2850, 3.00E-11	(.1 0.0)	2852, 3.00E-11	(.1 0.0)	2854, 3.00E-11	(.1 0.0)
2860, 3.00E-11	(.1 0.0)	2862, 3.00E-11	(.1 0.0)	2864, 3.00E-11	(.1 0.0)
2870, 3.00E-11	(.1 0.0)	2872, 3.00E-11	(.1 0.0)	2874, 3.00E-11	(.1 0.0)
2880, 3.00E-11	(.1 0.0)	2882, 3.00E-11	(.1 0.0)	2884, 3.00E-11	(.1 0.0)
2890, 3.00E-11	(.1 0.0)	2892, 3.00E-11	(.1 0.0)	2894, 3.00E-11	(.1 0.0)
2900, 3.00E-11	(.1 0.0)	2902, 3.00E-11	(.1 0.0)	2904, 3.00E-11	(.1 0.0)
2910, 3.00E-11	(.1 0.0)	2912, 3.00E-11	(.1 0.0)	2914, 3.00E-11	(.1 0.0)
2920, 3.00E-11	(.1 0.0)	2922, 3.00E-11	(.1 0.0)	2924,	





$R = 0.76:$

HD 36861

LAM ORI

HD 36861

LAMBDA, F (WT, SIG) F = AVE FLUX FROM LAM-DEL/2 TO LAM-DEL/2

1310	4.59E-09(.8 11.7)	1312	4.65E-09(.9 16.5)	1314	4.62E-09(.9 7.1)	1316	4.99E-09(.9 1.8)	1318	4.47E-09(.9 24.5)
1320	4.63E-09(.9 8.5)	1322	5.10E-09(1.0 12.1)	1324	5.64E-09(1.0 11.2)	1326	5.75E-09(1.0 9.5)	1328	5.05E-09(1.0 20.8)
1330	5.16E-09(1.0 14.4)	1332	4.97E-09(1.0 9.5)	1334	3.40E-09(1.0 9.3)	1336	4.36E-09(1.1 4.0)	1338	5.13E-09(1.1 3.0)
1340	5.40E-09(1.1 9.1)	1342	4.59E-09(1.1 17.4)	1344	4.59E-09(1.1 7.3)	1346	4.76E-09(1.2 1.0)	1348	5.01E-09(1.2 2.2)
1350	4.85E-09(1.2 16.0)	1352	4.26E-09(1.2 11.1)	1354	4.35E-09(1.2 6.9)	1356	4.58E-09(1.3 10.2)	1358	4.32E-09(1.3 8.5)
1360	4.90E-09(1.4 3.3)	1362	4.26E-09(1.4 0.0)	1364	4.88E-09(1.4 2.5)	1366	5.29E-09(1.4 1.7)	1368	5.93E-09(1.4 3.4)
1370	5.12E-09(1.4 10.7)	1372	4.60E-09(1.4 7.5)	1374	4.30E-09(1.4 8.4)	1376	4.11E-09(1.4 2.8)	1378	4.09E-09(1.4 7.2)
1380	4.45E-09(1.4 2.1)	1382	4.92E-09(1.4 2.9)	1384	4.06E-09(1.4 .9)	1386	3.71E-09(1.4 .9)	1388	3.55E-09(1.4 2.3)
1390	4.09E-09(1.4 4.8)	1392	3.71E-09(1.4 1.4)	1394	3.70E-09(1.4 8.1)	1396	4.17E-09(1.4 14.2)	1398	3.89E-09(1.4 13.0)
1400	4.10E-09(1.4 5.6)	1402	3.73E-09(1.4 18.2)	1404	3.99E-09(1.4 9.4)	1406	4.53E-09(1.4 6.8)	1408	4.29E-09(1.4 12.2)
1410	4.18E-09(1.3 12.4)	1412	4.50E-09(1.3 5.0)	1414	4.64E-09(1.3 8.0)	1416	4.11E-09(1.3 11.3)	1418	4.24E-09(1.3 17.9)
1420	3.91E-09(1.3 12.6)	1422	3.94E-09(1.3 16.1)	1424	4.20E-09(1.3 9.9)	1426	4.14E-09(1.3 13.9)	1428	3.97E-09(1.3 15.7)
1430	3.90E-09(1.3 12.6)	1432	4.35E-09(1.3 18.7)	1434	4.36E-09(1.2 20.7)	1436	4.64E-09(1.2 29.3)	1438	4.16E-09(1.2 15.5)
1440	4.34E-09(1.2 18.7)	1442	4.11E-09(1.2 20.8)	1444	3.95E-09(1.2 12.2)	1446	4.07E-09(1.2 12.7)	1448	3.86E-09(1.2 9.9)
1450	3.80E-09(1.2 5.0)	1452	3.62E-09(1.2 3.4)	1454	3.67E-09(1.2 7.8)	1456	3.94E-09(1.2 19.1)	1458	3.86E-09(1.2 14.8)
1460	3.57E-09(1.2 2.9)	1462	3.47E-09(1.2 12.9)	1464	3.59E-09(1.2 21.4)	1466	3.94E-09(1.1 15.9)	1468	4.55E-09(1.1 20.7)
1470	3.89E-09(1.1 9.3)	1472	3.87E-09(1.2 5.8)	1474	3.89E-09(1.2 6.8)	1476	3.87E-09(1.1 12.4)	1478	4.05E-09(1.1 17.0)
1480	3.83E-09(1.1 15.9)	1482	3.76E-09(1.1 1.9)	1484	4.05E-09(1.1 15.8)	1486	4.09E-09(1.1 21.0)	1488	3.73E-09(1.1 8.8)
1490	3.55E-09(1.1 5.2)	1492	3.44E-09(1.1 .8)	1494	3.56E-09(1.1 4.6)	1496	3.51E-09(1.1 6.3)	1498	3.32E-09(1.1 9.6)
1500	3.22E-09(1.1 12.8)	1502	3.37E-09(1.1 14.1)	1504	3.55E-09(1.1 4.3)	1506	3.45E-09(1.1 11.8)	1508	3.61E-09(1.1 19.6)
1510	3.74E-09(1.1 11.7)	1512	3.53E-09(1.1 1.1)	1514	3.24E-09(1.1 .8)	1516	3.09E-09(1.1 1.0)	1518	3.41E-09(1.1 .6)
1520	3.07E-09(1.1 3.8)	1522	2.94E-09(1.1 1.4)	1524	3.03E-09(1.1 7.6)	1526	2.98E-09(1.1 15.3)	1528	2.95E-09(1.1 7.9)
1530	2.78E-09(1.2 .7)	1532	2.47E-09(1.2 .9)	1534	2.19E-09(1.2 .8)	1536	2.04E-09(1.3 .6)	1538	1.94E-09(1.3 8.3)
1540	1.85E-09(1.3 9.6)	1542	1.74E-09(1.3 3.1)	1544	1.79E-09(1.3 4.5)	1546	1.86E-09(1.3 7.2)	1548	1.88E-09(1.2 4.6)
1550	2.08E-09(1.2 8.2)	1552	2.57E-09(1.1 13.9)	1554	2.94E-09(1.1 2.2)	1556	2.92E-09(1.0 17.5)	1558	2.66E-09(1.0 21.6)
1560	2.74E-09(1.0 16.8)	1562	3.04E-09(1.0 16.1)	1564	2.78E-09(1.0 9.6)	1566	2.54E-09(1.0 3.6)	1568	2.49E-09(1.1 12.4)
1570	2.48E-09(1.1 15.0)	1572	2.42E-09(1.1 21.3)	1574	2.35E-09(1.1 7.2)	1576	3.51E-09(1.1 11.6)	1578	4.24E-09(1.1 1.1)
1580	2.30E-09(1.1 11.9)	1582	2.33E-09(1.1 17.9)	1584	2.55E-09(1.0 17.1)	1586	2.51E-09(1.0 12.1)	1588	2.59E-09(1.0 15.9)
1590	2.54E-09(1.0 8.7)	1592	2.38E-09(1.0 13.9)	1594	2.42E-09(1.0 10.2)	1596	2.61E-09(1.0 7.9)	1598	2.50E-09(1.0 13.2)
1600	2.42E-09(1.0 18.0)	1602	2.38E-09(1.0 19.1)	1604	2.32E-09(1.0 17.0)	1606	2.14E-09(1.0 13.7)	1608	2.07E-09(1.1 16.1)
1610	2.20E-09(1.0 27.9)	1612	2.29E-09(1.0 26.6)	1614	2.35E-09(1.0 17.3)	1616	2.42E-09(1.0 11.2)	1618	2.32E-09(1.0 8.9)
1620	2.12E-09(1.0 11.5)	1622	2.14E-09(1.0 15.5)	1624	2.33E-09(1.0 17.5)	1626	2.36E-09(1.0 16.4)	1628	2.28E-09(1.0 12.9)
1630	2.35E-09(1.0 16.2)	1632	2.36E-09(1.0 18.2)	1634	2.30E-09(1.0 18.5)	1636	2.35E-09(1.0 28.2)	1638	2.43E-09(1.0 35.5)
1640	2.44E-09(1.1 3.7)	1642	2.42E-09(1.0 27.1)	1644	2.35E-09(1.0 27.1)	1646	2.43E-09(1.0 26.2)	1648	2.61E-09(1.0 23.5)
1650	2.73E-09(1.0 8.2)	1652	2.68E-09(1.0 8.2)	1654	2.55E-09(1.0 8.2)	1656	2.55E-09(1.0 26.7)	1658	2.53E-09(1.0 8.9)
1660	2.67E-09(1.0 32.3)	1662	2.46E-09(1.0 8.2)	1664	2.45E-09(1.0 8.2)	1666	2.59E-09(1.0 12.6)	1668	2.61E-09(1.0 8.1)
1670	2.51E-09(1.0 26.5)	1672	2.44E-09(1.0 25.9)	1674	2.51E-09(1.0 20.0)	1676	2.55E-09(1.0 15.5)	1678	2.51E-09(1.0 8.1)
1680	2.68E-09(1.0 12.8)	1682	2.88E-09(1.0 19.4)	1684	2.84E-09(1.0 26.9)	1686	2.62E-09(1.0 23.7)	1688	2.47E-09(1.0 8.1)
1690	2.49E-09(1.0 19.2)	1692	2.72E-09(1.0 15.8)	1694E	3.04E-09(1.0 7.9)	1696E	3.17E-09(1.0 6.3)	1698E	3.06E-09(1.0 6.3)
1700E	2.96E-09(1.0 6.6)	1702E	3.08E-09(1.0 7.6)	1704E	3.20E-09(1.0 6.0)	1706E	2.92E-09(1.0 12.0)	1708	2.46E-09(1.0 7.1)
1710E	2.27E-09(1.0 10.4)	1712	2.42E-09(1.0 10.6)	1714	2.58E-09(1.0 7.2)	1716E	2.61E-09(1.0 16.4)	1718E	2.67E-09(1.0 19.9)
1720E	2.70E-09(1.0 13.4)	1722	2.68E-09(1.0 10.6)	1724	2.58E-09(1.0 7.2)	1726E	2.52E-09(1.0 6.5)	1728E	2.53E-09(1.0 6.8)
1730E	2.64E-09(1.0 16.9)	1732E	2.77E-09(1.0 20.0)	1734E	2.93E-09(1.0 6.2)	1736E	2.94E-09(1.0 26.3)	1738E	2.68E-09(1.0 6.3)
1740E	2.46E-09(1.0 15.6)	1742E	2.39E-09(1.0 12.6)	1744E	2.43E-09(1.0 15.9)	1746E	2.44E-09(1.0 18.8)	1748E	2.45E-09(1.0 16.0)
1750E	2.52E-09(1.0 16.2)	1752E	2.61E-09(1.0 23.7)	1754E	2.73E-09(1.0 28.1)	1756E	2.74E-09(1.0 23.8)	1758E	2.52E-09(1.0 16.3)
1760E	2.28E-09(1.0 13.8)	1762E	2.32E-09(1.0 17.2)	1764E	2.58E-09(1.0 20.2)	1766E	2.70E-09(1.0 17.5)	1768E	2.58E-09(1.0 9.3)
1770E	2.45E-09(1.0 5.8)	1772E	2.40E-09(1.0 5.2)	1774E	2.32E-09(1.0 6.5)	1776E	2.19E-09(1.0 6.2)	1778E	2.15E-09(1.0 6.3)
1780E	2.19E-09(1.0 5.1)	1782E	2.21E-09(1.0 7.5)	1784E	2.23E-09(1.0 5.2)	1786E	2.30E-09(1.0 5.2)	1788E	2.33E-09(1.0 27.8)
1790E	2.27E-09(1.0 32.2)	1792E	2.25E-09(1.0 3.0)	1794E	2.37E-09(1.0 28.7)	1796E	2.57E-09(1.0 21.4)	1798E	2.71E-09(1.0 16.6)
1800E	2.68E-09(1.0 17.1)	1802E	2.46E-09(1.0 19.4)	1804E	2.15E-09(1.0 5.2)	1806E	1.90E-09(1.0 5.2)	1808E	1.81E-09(1.0 6.1)
1810E	1.89E-09(1.0 13.8)	1812E	2.05E-09(1.0 11.0)	1814E	2.26E-09(1.0 12.6)	1816E	2.48E-09(1.0 14.8)	1818E	2.74E-09(1.0 11.5)
1820E	2.92E-09(1.0 4.4)	1822E	2.96E-09(1.0 3.2)	1824E	2.85E-09(1.0 3.4)	1826E	2.67E-09(1.0 4.4)	1828E	0.00E-09(1.0 0.0)
1800E	2.64E-09(1.0 17.6)	1805E	2.05E-09(1.0 20.0)	1810E	1.90E-09(1.0 14.1)	1815E	2.37E-09(1.0 13.6)	1820E	2.88E-09(1.0 4.6)
1825E	2.75E-09(1.0 4.1)	1830E	2.44E-09(1.0 6.0)	1835E	2.28E-09(1.0 4.4)	1840E	2.35E-09(1.0 10.9)	1845E	2.38E-09(1.0 4.9)
1850E	2.57E-09(1.0 4.1)	1855E	2.45E-09(1.0 20.7)	1860E	2.41E-09(1.0 3.8)	1865E	2.62E-09(1.0 4.2)	1870E	2.67E-09(1.0 10.1)
1875E	2.03E-09(1.0 15.5)	1880E	1.82E-09(1.0 15.1)	1885E	2.54E-09(1.0 12.5)	1890E	3.43E-09(1.0 15.7)	1895E	2.82E-09(1.0 15.4)
1900E	2.14E-09(1.0 3.8)	1905E	1.91E-09(1.0 4.3)	1910E	1.83E-09(1.0 4.3)	1915E	1.88E-09(1.0 19.4)	1920E	2.19E-09(1.0 16.1)
1925E	1.95E-09(1.0 4.5)	1930E	1.73E-09(1.0 4.8)	1935E	1.69E-09(1.0 11.3)	1940E	2.11E-09(1.0 23.8)	1945E	2.51E-09(1.0 26.8)
1950E	2.38E-09(1.0 16.4)	1955E	2.15E-09(1.0 17.4)	1960E	1.98E-09(1.0 15.1)	1965E	1.75E-09(1.0 9.8)	1970E	1.63E-09(1.0 13.0)
1975E	1.69E-09(1.0 19.7)	1980E	1.81E-09(1.0 23.4)	1985E	1.77E-09(1.0 27.8)	1990E	1.53E-09(1.0 28.6)	1995E	1.49E-09(1.0 26.0)
2000E	1.63E-09(1.0 12.1)	2005E	1.69E-09(1.0 4.3)	2010E	1.72E-09(1.0 3.3)	2015E	1.66E-09(1.0 19.2)	2020E	1.72E-09(1.0 32.5)
2025E	1.60E-09(1.0 20.6)	2030E	1.44E-09(1.0 4.2)	2035E	1.46E-09(1.0 3.4)	2040E	1.35E-09(1.0 8.0)	2045E	1.27E-09(1.0 3.4)
2050E	1.48E-09(1.0 3.7)	2055E	1.68E-09(1.0 11.8)	2060E	1.47E-09(1.0 18.9)	2065E	1.27E-09(1.0 26.3)	2070E	1.19E-09(1.0 22.8)
2075E	1.17E-09(1.0 3.7)	2080E	1.18E-09(1.0 15.0)	2085E	1.17E-09(1.0 3.4)	2090E	1.17E-09(1.0 6.8)	2095E	1.10E-09(1.0 18.7)
2100E	9.99E-10(1.0 16.7)	2105E	1.02E-09(1.0 20.8)	2110E	1.12E-09(1.0 38.9)	2115E	1.09E-09(1.0 45.5)	2120E	9.91E-10(1.0 48.0)
2125E	9.79E-10(1.0 55.4)	2130E	9.47E-10(1.0 44.7)	2135E	8.88E-10(1.0 26.2)	2140E	8.52E-10(1.0 20.5)	2145E	9.00E-10(1.0 22.8)
2150E	1.07E-09(1.0 28.2)	2155E	1.26E-09(1.0 32.2)	2160E	1.25E-09(1.0 25.4)	2165E	1.08E-09(1.0 18.2)	2170E	1.01E-09(1.0 22.7)
2175E	9.72E-10(1.0 33.1)	2180E	8.85E-10(1.0 24.1)	2185E	8.31E-10(1.0 24.5)	2190E	8.45E-10(1.0 24.4)	2195E	8.52E-10(1.0 35.9)
2200E	8.25E-10(1.0 28.6)	2205E	7.87E-10(1.0 23.0)	2210E	7.89E-10(1.0 19.3)	2215E	7.81E-10(1.0 15.9)	2220E	1.07E-09(1.0 13.5)
2225E	1.24E-09(1.0 12.6)	2230E	1.21E-09(1.0 13.6)	2235E	1.04E-09(1.0 17.4)	2240E	9.28E-10(1.0 22.2)	2245E	8.97E-10(1.0 20.7)
2250E	8.87E-10(1.0 11.4)	2255E	8.56E-10(1.0 2.3)	2260E	8.36E-10(1.0 2.7)	2265E	8.49E-10(1.0 21.7)	2270E	8.43E-10(1.0 23.6)
2275E	7.93E-10(1.0 24.6)	2280E	7.40E-10(1.0 52.8)	2285E	7.09E-10(1.0 25.4)	2290E	6.93E-10(1.0 52.7)	2295E	6.91E-10(1.0 24.7)
135	-.28(1.3 5.7)	139	-.07(1.4 6.8)	148	-.07(1.1 10.3)	154	-.44(1.2 1.4)	161	-.48(1.0 15.9)
166	-.38(.8 23.3)	172E	-.33(.6 14.8)	181E	-.46(.5 10.7)	192E	-.58(.3 14.3)	204E	1.02(.3 16.8)
219E	1.47(.2 29.9)	245	0.00(0.0 0.0)	280	0.00(0.0 0.0)	360	0.00(0.0 0.0)	0	0.00(0.0 0.0)

X,Y(MM) -8.7 -1.3 SL4- 47 21 SCANS, T= 188 LAM ORI WT .7, SCALE 1.09

X,Y(MM) -8.7 -1.3 SL4- 48 19 SCANS, T= 77 LAM ORI WT .7, SCALE .91

R = 1.41

LAMBDA, F	(WT, SIG)	F = AVE FLUX	FROM LAM-DEL/2	TO LAM+DEL/2	(0.0 0.0)	LAMBDA, F	(WT, SIG)	F = AVE FLUX	FROM LAM-DEL/2	TO LAM+DEL/2	(0.0 0.0)	LAMBDA, F	(WT, SIG)	F = AVE FLUX	FROM LAM-DEL/2	TO LAM+DEL/2	(0.0 0.0)	LAMBDA, F	(WT, SIG)	F = AVE FLUX	FROM LAM-DEL/2	TO LAM+DEL/2	(0.0 0.0)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
1620, 0.00E+00	(0.0 0.0)	1622, 0.00E+00	(0.0 0.0)	1624, 0.00E+00	(0.0 0.0)	1626, 0.00E+00	(0.0 0.0)	1628, 2.35E-10	(4.0 0.0)	1630, 2.42E-10	(4.0 0.0)	1632, 2.47E-10	(4.0 0.0)	1634, 2.47E-10	(4.0 0.0)	1636, 2.43E-10	(4.0 0.0)	1638, 2.47E-10	(4.0 0.0)	1640, 2.58E-10	(4.0 0.0)	1642, 2.63E-10	(4.0 0.0)	1644, 2.39E-10	(4.0 0.0)	1646, 2.43E-10	(4.0 0.0)	1648, 2.39E-10	(4.0 0.0)	1650, 2.62E-10	(4.0 0.0)	1652, 3.00E-10	(4.0 0.0)	1654, 3.12E-10	(4.0 0.0)	1656, 3.27E-10	(4.0 0.0)	1658, 3.12E-10	(4.0 0.0)	1660, 2.82E-10	(4.0 0.0)	1662, 2.66E-10	(4.0 0.0)	1664, 2.91E-10	(4.0 0.0)	1666, 2.65E-10	(4.0 0.0)	1668, 2.91E-10	(4.0 0.0)	1670, 2.90E-10	(4.0 0.0)	1672, 2.77E-10	(4.0 0.0)	1674, 2.61E-10	(4.0 0.0)	1676, 2.61E-10	(4.0 0.0)	1678, 2.61E-10	(4.0 0.0)	1680, 2.40E-10	(4.0 0.0)	1682, 2.33E-10	(4.0 0.0)	1684, 2.00E-10	(4.0 0.0)	1686, 2.08E-10	(4.0 0.0)	1688, 2.00E-10	(4.0 0.0)	1690, 2.04E-10	(4.0 0.0)	1692, 2.05E-10	(4.0 0.0)	1694, 2.12E-10	(4.0 0.0)	1696, 2.37E-10	(4.0 0.0)	1698, 2.50E-10	(4.0 0.0)	1700, 2.58E-10	(4.0 0.0)	1702, 2.66E-10	(4.0 0.0)	1704, 2.54E-10	(4.0 0.0)	1706, 2.45E-10	(4.0 0.0)	1708, 2.50E-10	(4.0 0.0)	1710, 2.43E-10	(4.0 0.0)	1712, 2.25E-10	(4.0 0.0)	1714, 2.17E-10	(4.0 0.0)	1716, 2.23E-10	(4.0 0.0)	1718, 2.20E-10	(4.0 0.0)	1720, 2.01E-10	(4.0 0.0)	1722, 1.93E-10	(4.0 0.0)	1724, 2.09E-10	(4.0 0.0)	1726, 2.30E-10	(4.0 0.0)	1728, 2.52E-10	(4.0 0.0)	1730, 2.76E-10	(4.0 0.0)	1732, 2.93E-10	(4.0 0.0)	1734, 2.74E-10	(4.0 0.0)	1736, 2.56E-10	(4.0 0.0)	1738, 2.56E-10	(4.0 0.0)	1740, 2.47E-10	(4.0 0.0)	1742, 2.42E-10	(4.0 0.0)	1744, 2.27E-10	(4.0 0.0)	1746, 2.18E-10	(4.0 0.0)	1748, 2.18E-10	(4.0 0.0)	1750, 2.26E-10	(4.0 0.0)	1752, 2.20E-10	(4.0 0.0)	1754, 2.26E-10	(4.0 0.0)	1756, 2.58E-10	(4.0 0.0)	1758, 2.99E-10	(4.0 0.0)	1760, 3.19E-10	(4.0 0.0)	1762, 3.05E-10	(4.0 0.0)	1764, 2.67E-10	(4.0 0.0)	1766, 2.29E-10	(4.0 0.0)	1768, 2.13E-10	(4.0 0.0)	1770, 2.19E-10	(4.0 0.0)	1772, 2.26E-10	(4.0 0.0)	1774, 2.21E-10	(4.0 0.0)	1776, 2.16E-10	(4.0 0.0)	1778, 2.16E-10	(4.0 0.0)	1780, 2.14E-10	(4.0 0.0)	1782, 2.01E-10	(4.0 0.0)	1784, 1.86E-10	(4.0 0.0)	1786, 1.76E-10	(4.0 0.0)	1788, 1.75E-10	(4.0 0.0)	1790, 1.78E-10	(4.0 0.0)	1792, 1.73E-10	(4.0 0.0)	1794, 1.68E-10	(4.0 0.0)	1796, 1.59E-10	(4.0 0.0)	1798, 1.51E-10	(4.0 0.0)	1800, 1.45E-10	(4.0 0.0)	1802, 1.40E-10	(4.0 0.0)	1804, 1.40E-10	(4.0 0.0)	1806, 1.40E-10	(4.0 0.0)	1808, 1.40E-10	(4.0 0.0)	1810, 1.50E-10	(4.0 0.0)	1812, 1.62E-10	(4.0 0.0)	1814, 1.71E-10	(4.0 0.0)	1816, 1.75E-10	(4.0 0.0)	1818, 1.70E-10	(4.0 0.0)	1820, 1.66E-10	(4.0 0.0)	1822, 1.57E-10	(4.0 0.0)	1824, 1.48E-10	(4.0 0.0)	1826, 1.51E-10	(4.0 0.0)	1828, 1.51E-10	(4.0 0.0)	1830, 1.40E-10	(4.0 0.0)	1832, 1.31E-10	(4.0 0.0)	1834, 1.48E-10	(4.0 0.0)	1836, 1.56E-10	(4.0 0.0)	1838, 1.56E-10	(4.0 0.0)	1840, 1.56E-10	(4.0 0.0)	1842, 1.56E-10	(4.0 0.0)	1844, 1.56E-10	(4.0 0.0)	1846, 1.56E-10	(4.0 0.0)	1848, 1.56E-10	(4.0 0.0)	1850, 1.52E-10	(4.0 0.0)	1852, 1.52E-10	(4.0 0.0)	1854, 1.52E-10	(4.0 0.0)	1856, 1.52E-10	(4.0 0.0)	1858, 1.52E-10	(4.0 0.0)	1860, 1.30E-10	(4.0 0.0)	1862, 1.30E-10	(4.0 0.0)	1864, 1.30E-10	(4.0 0.0)	1866, 1.30E-10	(4.0 0.0)	1868, 1.30E-10	(4.0 0.0)	1870, 1.30E-10	(4.0 0.0)	1872, 1.30E-10	(4.0 0.0)	1874, 1.30E-10	(4.0 0.0)	1876, 1.30E-10	(4.0 0.0)	1878, 1.30E-10	(4.0 0.0)	1880, 1.30E-10	(4.0 0.0)	1882, 1.30E-10	(4.0 0.0)	1884, 1.30E-10	(4.0 0.0)	1886, 1.30E-10	(4.0 0.0)	1888, 1.30E-10	(4.0 0.0)	1890, 1.30E-10	(4.0 0.0)	1892, 1.30E-10	(4.0 0.0)	1894, 1.30E-10	(4.0 0.0)	1896, 1.30E-10	(4.0 0.0)	1898, 1.30E-10	(4.0 0.0)	1900, 1.30E-10	(4.0 0.0)	1902, 1.30E-10	(4.0 0.0)	1904, 1.30E-10	(4.0 0.0)	1906, 1.30E-10	(4.0 0.0)	1908, 1.30E-10	(4.0 0.0)	1910, 1.30E-10	(4.0 0.0)	1912, 1.30E-10	(4.0 0.0)	1914, 1.30E-10	(4.0 0.0)	1916, 1.30E-10	(4.0 0.0)	1918, 1.30E-10	(4.0 0.0)	1920, 1.30E-10	(4.0 0.0)	1922, 1.30E-10	(4.0 0.0)	1924, 1.30E-10	(4.0 0.0)	1926, 1.30E-10	(4.0 0.0)	1928, 1.30E-10	(4.0 0.0)	1930, 1.30E-10	(4.0 0.0)	1932, 1.30E-10	(4.0 0.0)	1934, 1.30E-10	(4.0 0.0)	1936, 1.30E-10	(4.0 0.0)	1938, 1.30E-10	(4.0 0.0)	1940, 1.30E-10	(4.0 0.0)	1942, 1.30E-10	(4.0 0.0)	1944, 1.30E-10	(4.0 0.0)	1946, 1.30E-10	(4.0 0.0)	1948, 1.30E-10	(4.0 0.0)	1950, 1.30E-10	(4.0 0.0)	1952, 1.30E-10	(4.0 0.0)	1954, 1.30E-10	(4.0 0.0)	1956, 1.30E-10	(4.0 0.0)	1958, 1.30E-10	(4.0 0.0)	1960, 1.30E-10	(4.0 0.0)	1962, 1.30E-10	(4.0 0.0)	1964, 1.30E-10	(4.0 0.0)	1966, 1.30E-10	(4.0 0.0)	1968, 1.30E-10	(4.0 0.0)	1970, 1.30E-10	(4.0 0.0)	1972, 1.30E-10	(4.0 0.0)	1974, 1.30E-10	(4.0 0.0)	1976, 1.30E-10	(4.0 0.0)	1978, 1.30E-10	(4.0 0.0)	1980, 1.30E-10	(4.0 0.0)	1982, 1.30E-10	(4.0 0.0)	1984, 1.30E-10	(4.0 0.0)	1986, 1.30E-10	(4.0 0.0)	1988, 1.30E-10	(4.0 0.0)	1990, 1.30E-10	(4.0 0.0)	1992, 1.30E-10	(4.0 0.0)	1994, 1.30E-10	(4.0 0.0)	1996, 1.30E-10	(4.0 0.0)	1998, 1.30E-10	(4.0 0.0)	2000, 1.30E-10	(4.0 0.0)	2002, 1.30E-10	(4.0 0.0)	2004, 1.30E-10	(4.0 0.0)	2006, 1.30E-10	(4.0 0.0)	2008, 1.30E-10	(4.0 0.0)	2010, 1.30E-10	(4.0 0.0)	2012, 1.30E-10	(4.0 0.0)	2014, 1.30E-10	(4.0 0.0)	2016, 1.30E-10	(4.0 0.0)	2018, 1.30E-10	(4.0 0.0)	2020, 1.30E-10	(4.0 0.0)	2022, 1.30E-10	(4.0 0.0)	2024, 1.30E-10	(4.0 0.0)	2026, 1.30E-10	(4.0 0.0)	2028, 1.30E-10	(4.0 0.0)	2030, 1.30E-10	(4.0 0.0)	2032, 1.30E-10	(4.0 0.0)	2034, 1.30E-10	(4.0 0.0)	2036, 1.30E-10	(4.0 0.0)	2038, 1.30E-10	(4.0 0.0)	2040, 1.30E-10	(4.0 0.0)	2042, 1.30E-10	(4.0 0.0)	2044, 1.30E-10	(4.0 0.0)	2046, 1.30E-10	(4.0 0.0)	2048, 1.30E-10	(4.0 0.0)	2050, 1.30E-10	(4.0 0.0)	2052, 1.30E-10	(4.0 0.0)	2054, 1.30E-10	(4.0 0.0)	2056, 1.30E-10	(4.0 0.0)	2058, 1.30E-10	(4.0 0.0)	2060, 1.30E-10	(4.0 0.0)	2062, 1.30E-10	(4.0 0.0)	2064, 1.30E-10	(4.0 0.0)	2066, 1.30E-10	(4.0 0.0)	2068, 1.30E-10	(4.0 0.0)	2070, 1.30E-10	(4.0 0.0)	2072, 1.30E-10	(4.0 0.0)	2074, 1.30E-10	(4.0 0.0)	2076, 1.30E-10	(4.0 0.0)	2078, 1.30E-10	(4.0 0.0)	2080, 1.30E-10	(4.0 0.0)	2082, 1.30E-10	(4.0 0.0)	2084, 1.30E-10	(4.0 0.0)	2086, 1.30E-10	(4.0 0.0)	2088, 1.30E-10	(4.0 0.0)	2090, 1.30E-10	(4.0 0.0)	2092, 1.30E-10	(4.0 0.0)	2094, 1.30E-10	(4.0 0.0)	2096, 1.30E-10	(4.0 0.0)	2098, 1.30E-10	(4.0 0.0)	2100, 1.30E-10	(4.0 0.0)	2102, 1.30E-10	(4.0 0.0)	2104, 1.30E-10	(4.0 0.0)	2106, 1.30E-10	(4.0 0.0)	2108, 1.30E-10	(4.0 0.0)	2110, 1.30E-10	(4.0 0.0)	2112, 1.30E-10	(4.0 0.0)	2114, 1.30E-10	(4.0 0.0)	2116, 1.30E-10	(4.0 0.0)	2118, 1.30E-10	(4.0 0.0)	2120, 1.30E-10	(4.0 0.0)	2122, 1.30E-10	(4.0 0.0)	2124, 1.30E-10	(4.0 0.0)	2126, 1.30E-10	(4.0 0.0)	2128, 1.30E-10	(4.0 0.0)	2130, 1.30E-10	(4.0 0.0)	2132, 1.30E-10	(4.0 0.0)	2134, 1.30E-10	(4.0 0.0)	2136, 1.30E-10	(4.0 0.0)	2138, 1.30E-10	(4.0 0.0)	2140, 1.30E-10	(4.0 0.0)	2142, 1.30E-10	(4.0 0.0)	2144, 1.30E-10	(4.0 0.0)	2146, 1.30E-10	(4.0 0.0)	2148, 1.30E-10	(4.0 0.0)	2150, 1.30E-10	(4.0 0.0)	2152, 1.30E-10	(4.0 0.0)	2154, 1.30E-10	(4.0 0.0)	2156, 1.30E-10	(4.0 0.0)	2158, 1.30E-10	(4.0 0.0)	2160, 1.30E-10	(4.0 0.0)	2162, 1.30E-10	(4.0 0.0)	2164, 1.30E-10	(4.0 0.0)	2166, 1.30E-10	(4.0 0.0)	2168, 1.30E-10	(4.0 0.0)	2170, 1.30E-10	(4.0 0.0)	2172, 1.30E-10	(4.0 0.0)	2174, 1.30E-10	(4.0 0.0)	2176, 1.30E-10	(4.0 0.0)	2178, 1.30E-10	(4.0 0.0)	2180, 1.30E-10	(4.0 0.0)	2182, 1.30E-10	(4.0 0.0)	2184, 1.30E-10	(4.0 0.0)	2186, 1.30E-10	(4.0 0.0)	2188, 1.30E-10	(4.0 0.0)	2190, 1.30E-10	(4.0 0.0)	2192, 1.30E-10	(4.0 0.0)	2194, 1.30E-10	(4.0 0.0)	2196, 1.30E-10	(4.0 0.0)	2198, 1.30E-10	(4.0 0.0)	2200, 1.30E-10	(4.0 0.0)	2202, 1.30E-10	(4.0 0.0)	2204, 1.30E-10	(4.0 0.0)	2206, 1.30E-10	(4.0 0.0)	2208, 1.30E-10	(4.0 0.0)	2210, 1.30E-10	(4.0 0.0)	2212, 1.30E-10	(4.0 0.0)	2214, 1.30E-10	(4.0 0.0)	2216, 1.30E-10	(4.0 0.0)	2218, 1.30E-10	(4.0 0.0)	2220, 1.30E-10	(4.0 0.0)	2222, 1.30E-10	(4.0 0.0)	2224, 1.30E-10	(4.0 0.0)	2226, 1.30E-10	(4.0 0.0)	2228, 1.30E-10	(4.0 0.0)	2230, 1.30E-10	(4.0 0.0)	2232, 1.30E-10	(4.0 0.0)	2234, 1.30E-10	(4.0 0.0)	2236, 1.30E-10	(4.0 0.0)	2238, 1.30E-10	(4.0 0.0)	2240, 1.30E-10	(4.0 0.0)	2242, 1.30E-10	(4.0 0.0)	2244, 1.30E-10	(4.0 0.0)	2246, 1.30E-10	(4.0 0.0)	2248, 1.30E-10	(4.0 0.0)	2250, 1.30E-10	(4.0 0.0)	2252, 1.30E-10	(4.0 0.0)	2254, 1.30E-10	(4.0 0.0)	2256, 1.30E-10	(4.0 0.0)	2258, 1.30E-10	(4.0 0.0)	2260, 1.30E-10	(4.0 0.0)	2262, 1.30E-10	(4.0 0.0)	2264, 1.30E-10	(4.0 0.0)	2266, 1.30E-10	(4.0 0.0)	2268, 1.30E-10	(4.0 0.0)	2270, 1.30E-10	(4.0 0.0)	2272, 1.30E-10	(4.0 0.0)	2274, 1.30E-10	(4.0 0.0)	2276, 1.30E-10	(4.0 0.0)	2278, 1.30E-10	(4.0 0.0)	2280, 1.30E-10	(4.0 0.0)	2282, 1.30E-10	(4.0 0.0)	2284, 1.30E-10	(4.0 0.0)	2286, 1.30E-10	(4.0 0.0)	2288, 1.30E-10	(4.0 0.0)	2290, 1.30E-10	(4.0 0.0)	2292, 1.30E-10	(4.0 0.0)	2294, 1.30E-10	(4.0 0.0)	2296, 1.30E-10	(4.0 0.0)	2298, 1.30E-10	(4.0 0.0)	2300, 1.30E-10	(4.0 0.0)	2302, 1.30E-10	(4.0 0.0)	2304, 1.30E-10	(4.0 0.0)	2306, 1.30E-10	(4.0 0.0)	2308, 1.30E-10	(4.0 0.0)	2310, 1.30E-10	(4.0 0.0)	2312, 1.30E-10	(4.0 0.0)	2314, 1.30E-10	(4.0 0.0)	2316, 1.30E-10	(4.0 0.0)	2318, 1.30E-10	(4.0 0.0)	2320, 1.30E-10	(4.0 0.0)	2322, 1.30E-10	(4.0 0.0)	2324, 1.30E-10	(4.0 0.0)	2326, 1.30E-10	(4.0 0.0)	2328, 1.30E-10	(4.0 0.0)	2330, 1.30E-10	(4.0 0.0)	2332, 1.30E-10	(4.0 0.0)	2334, 1.30E-10	(4.0 0.0)	2336, 1.30E-10	(4.0 0.0)	2338, 1.30E-10	(4.0 0.0)	2340, 1.30E-10	(4.0 0.0)	2342, 1.30E-10	(4.0 0.0)	2344, 1.30E-10	(4.0 0.0)	2346, 1.30E-10	(4.0 0.0)	2348, 1.30E-10	(4.0 0.0)	2350, 1.30E-10	(4.0 0.0)	2352, 1.30E-10	(4.0 0.0)	2354, 1.30E-10	(4.0 0.0)	2356, 1.30E-10	(4.0 0.0)	2358, 1.30E-10	(4.0 0.0)	2360, 1.30E-10	(4.0 0.0)	2362, 1.30E-10	(4.0 0.0)	2364, 1.30E-10	(4.0 0.0)	2366, 1.30E-10	(4.0 0.0)	2368, 1.30E-10	(4.0 0.0)	2370, 1.30E-10	(4.0 0.0)	2372, 1.30E-10	(4.0 0.0)	2374, 1.30E-10	(4.0 0.0)	2376, 1.30E-10	(4.0 0.0)	2378, 1.30E-10	(4.0 0.0)	2380, 1.30E-10	(4.0 0.0)	2382, 1.30E-10	(4.0 0.0)	2384, 1.30E-10	(4.0 0.0)	2386, 1.30E-10	(4.0 0.0)	2388, 1.30E-10	(4.0 0.0)	2390, 1.30E-10	(4.0 0.0)	2392, 1.30E-10	(4.0 0.0)	2394, 1.30E-10	(4.0 0.0)	2396, 1.30E-10	(4.0 0.0)	2398, 1.30E-10	(4.0 0.0)	2400, 1.30E-10	(4.0 0.0)	2

X,Y(MM) -10.7 -3.1 SL4- 47 17 SCANS, T= 188 HD 36895 WT .4, SCALE .99  
 X,Y(MM) -10.7 -3.1 SL4- 48 15 SCANS, T= 77 HD 36895 WT .4, SCALE 1.01

R = 2.14



LAMBDA, F (WT, SIG)	F = AVE FLUX FROM LAM-DEL/2 TO LAM+DEL/2				
1670, 0. (0.0 0.0)	1672, 4.20E-09(1.2 18.5)	1674, 4.14E-09(1.2 16.0)	1676, 4.14E-09(1.2 11.2)	1678, 3.91E-09(1.2 11.2)	
1680, 3.87E-09(1.2 12.9)	1682, 3.86E-09(1.2 12.0)	1684, 3.72E-09(1.2 10.7)	1686, 3.74E-09(1.2 10.4)	1688, 3.79E-09(1.2 10.2)	
1690, 3.75E-09(1.2 11.3)	1692, 3.69E-09(1.2 13.2)	1694, 3.64E-09(1.2 12.7)	1696, 3.60E-09(1.2 11.8)	1698, 3.49E-09(1.2 8.2)	
1700, 3.40E-09(1.2 1.5)	1702, 3.39E-09(1.2 1.8)	1704, 3.41E-09(1.2 3.3)	1706, 3.41E-09(1.2 9.9)	1708, 3.32E-09(1.2 12.0)	
1710, 3.20E-09(1.2 12.5)	1712, 3.09E-09(1.2 13.4)	1714, 2.94E-09(1.2 10.6)	1716, 2.92E-09(1.2 8.5)	1718, 2.99E-09(1.2 7.9)	
1720, 3.00E-09(1.2 4.0)	1722, 3.04E-09(1.2 5.3)	1724, 3.06E-09(1.2 14.3)	1726, 3.04E-09(1.2 16.0)	1728, 3.06E-09(1.2 11.8)	
1730, 3.16E-09(1.2 9.1)	1732, 3.19E-09(1.2 9.0)	1734, 3.02E-09(1.2 8.3)	1736, 2.87E-09(1.2 8.7)	1738, 2.82E-09(1.2 10.6)	
1740, 2.78E-09(1.2 13.2)	1742, 2.78E-09(1.2 15.9)	1744, 2.76E-09(1.2 14.9)	1746, 2.72E-09(1.2 9.2)	1748, 2.74E-09(1.2 4.1)	
1750, 2.80E-09(1.2 2.7)	1752, 2.77E-09(1.2 6.3)	1754, 2.64E-09(1.2 10.6)	1756, 2.55E-09(1.2 10.0)	1758, 2.53E-09(1.2 4.6)	
1760, 2.55E-09(1.2 1.0)	1762, 2.55E-09(1.2 1.0)	1764, 2.58E-09(1.2 3.9)	1766, 2.67E-09(1.2 6.1)	1768, 2.69E-09(1.2 3.3)	
1770, 2.54E-09(1.2 1.5)	1772, 2.35E-09(1.2 1.9)	1774, 2.24E-09(1.2 2.0)	1776, 2.24E-09(1.2 1.5)	1778, 2.30E-09(1.2 2.7)	
1780, 2.28E-09(1.2 6.4)	1782, 2.18E-09(1.2 11.5)	1784, 2.12E-09(1.2 15.0)	1786, 2.14E-09(1.2 14.8)	1788, 2.24E-09(1.2 12.9)	
1790, 2.30E-09(1.2 11.0)	1792, 2.30E-09(1.2 8.3)	1794, 2.28E-09(1.2 5.8)	1796, 2.23E-09(1.2 3.3)	1798, 2.16E-09(1.2 1.3)	
1800, 2.17E-09(1.2 6.0)	1802, 2.22E-09(1.1 1.2)	1804, 2.19E-09(1.1 2.4)	1806, 2.14E-09(1.1 4.6)	1808, 2.17E-09(1.1 5.8)	
1810, 2.28E-09(1.1 5.0)	1812, 2.35E-09(1.1 3.0)	1814, 2.31E-09(1.1 2.4)	1816, 2.25E-09(1.1 2.9)	1818, 2.26E-09(1.1 5.0)	
1820, 2.31E-09(1.1 7.5)	1822, 2.37E-09(1.1 7.3)	1824, 2.38E-09(1.1 2.8)	1826, 2.34E-09(1.1 3.1)	0.0 (0.0 0.0)	
1800, 2.18E-09(1.1 9.0)	1805, 2.17E-09(1.1 3.5)	1810, 2.27E-09(1.1 4.7)	1815, 2.29E-09(1.1 2.8)	1820, 2.31E-09(1.1 6.8)	
1825, 2.36E-09(1.1 1.1)	1830, 2.24E-09(1.1 1.1)	1835, 2.32E-09(1.1 8.0)	1840, 2.31E-09(1.1 8.1)	1845, 2.16E-09(1.1 11.6)	
1850, 2.12E-09(1.1 8.5)	1855, 1.98E-09(1.1 1.1)	1860, 1.88E-09(1.1 2.2)	1865, 1.88E-09(1.1 2.4)	1870, 1.78E-09(1.1 1.1)	
1875, 1.81E-09(1.1 5.9)	1880, 1.81E-09(1.1 5.2)	1885, 1.74E-09(1.1 7.8)	1890, 1.84E-09(1.1 9.8)	1895, 1.85E-09(1.1 9.3)	
1900, 1.84E-09(1.1 11.3)	1905, 1.73E-09(1.1 12.2)	1910, 1.67E-09(1.1 6.7)	1915, 1.68E-09(1.1 1.5)	1920, 1.58E-09(1.1 7.3)	
1925, 1.48E-09(1.1 12.2)	1930, 1.48E-09(1.1 8.0)	1935, 1.47E-09(1.1 8.7)	1940, 1.40E-09(1.1 9.8)	1945, 1.36E-09(1.1 12.0)	
1950, 1.39E-09(1.1 13.5)	1955, 1.35E-09(1.0 10.7)	1960, 1.36E-09(1.0 7.0)	1965, 1.38E-09(1.0 11.4)	1970, 1.33E-09(1.0 9.3)	
1975, 1.26E-09(1.0 4.8)	1980, 1.26E-09(1.0 6.7)	1985, 1.24E-09(1.0 9.1)	1990, 1.14E-09(1.0 13.3)	1995, 1.08E-09(1.0 17.1)	
2000, 1.12E-09(1.0 16.4)	2005, 1.10E-09(1.0 16.4)	2010, 1.09E-09(1.0 16.8)	2015, 1.10E-09(1.0 16.4)	2020, 1.08E-09(1.0 10.7)	
2025, 1.05E-09(1.0 10.1)	2030, 1.00E-09(1.0 15.4)	2035, 9.92E-10(1.0 17.2)	2040, 9.92E-10(1.0 14.2)	2045, 9.86E-10(1.0 12.2)	
2050, 9.31E-10(1.0 11.5)	2055, 8.61E-10(1.0 9.6)	2060, 8.70E-10(1.0 8.7)	2065, 9.04E-10(1.0 11.4)	2070, 8.76E-10(1.0 13.1)	
2075, 8.88E-10(1.0 5.6)	2080, 9.28E-10(1.0 9.6)	2085, 9.01E-10(1.0 9.8)	2090, 8.52E-10(1.0 7.1)	2095, 8.46E-10(1.0 9.7)	
2100, 8.18E-10(1.0 7.5)	2105, 7.75E-10(1.0 8.7)	2110, 7.74E-10(1.0 11.0)	2115, 7.99E-10(1.0 12.6)	2120, 8.14E-10(1.0 11.6)	
2125, 8.03E-10(1.0 8.10)	2130, 7.74E-10(1.0 8.6)	2135, 7.63E-10(1.0 8.5)	2140, 7.60E-10(1.0 8.5)	2145, 7.41E-10(1.0 8.0)	
2150, 7.37E-10(1.0 7.3)	2155, 7.55E-10(1.0 8.2)	2160, 7.63E-10(1.0 7.5)	2165, 7.56E-10(1.0 7.5)	2170, 7.43E-10(1.0 7.4)	
2175, 7.29E-10(1.0 7.4)	2180, 6.98E-10(1.0 7.6)	2185, 6.72E-10(1.0 7.4)	2190, 6.65E-10(1.0 7.1)	2195, 6.57E-10(1.0 7.1)	
2200, 6.55E-10(1.0 7.4)	2205, 6.68E-10(1.0 7.8)	2210, 6.88E-10(1.0 7.9)	2215, 6.85E-10(1.0 7.7)	2220, 6.58E-10(1.0 7.6)	
2225, 6.37E-10(1.0 15.2)	2230, 6.37E-10(1.0 7.2)	2235, 6.49E-10(1.0 7.8)	2240, 6.49E-10(1.0 7.7)	2245, 6.37E-10(1.0 7.6)	
2250, 6.36E-10(1.0 6.1)	2255, 6.51E-10(1.0 6.0)	2260, 6.40E-10(1.0 6.7)	2265, 6.50E-10(1.0 6.3)	2270, 6.35E-10(1.0 6.3)	
2275, 6.32E-10(1.0 6.13)	2280, 6.41E-10(1.0 6.0)	2285, 6.39E-10(1.0 6.7)	2290, 6.06E-10(1.0 6.5)	2295, 5.69E-10(1.0 6.6)	
2300, 5.51E-10(1.0 6.7)	2305, 5.60E-10(1.0 6.9)	2310, 5.76E-10(1.0 6.12)	2315, 5.87E-10(1.0 6.14)	0.0 (0.0 0.0)	
2300, 5.54E-10(1.0 6.7)	2310, 5.75E-10(1.0 6.12)	2320, 5.81E-10(1.0 6.14)	2330, 5.52E-10(1.0 6.13)	2340E 5.69E-10(1.0 6.15)	
2350E 5.71E-10(1.0 6.17)	2360E 5.40E-10(1.0 6.20)	2370E 5.47E-10(1.0 5.18)	2380E 5.90E-10(1.0 5.7)	2390E 6.16E-10(1.0 5.10)	
2400E 5.89E-10(1.0 5.4)	2410E 5.38E-10(1.0 5.2)	2420E 5.22E-10(1.0 5.5)	2430E 5.23E-10(1.0 5.2)	2440E 5.28E-10(1.0 5.3)	
2450E 5.05E-10(1.0 5.1)	2460E 4.80E-10(1.0 5.2)	2470E 5.11E-10(1.0 5.3)	2480E 5.40E-10(1.0 5.1)	2490E 5.31E-10(1.0 5.1)	
2500E 5.17E-10(1.0 5.9)	2510E 4.98E-10(1.0 5.5)	2520E 4.81E-10(1.0 5.5)	2530E 4.55E-10(1.0 5.4)	2540E 4.32E-10(1.0 5.4)	
2550E 4.41E-10(1.0 5.5)	2560E 4.43E-10(1.0 5.5)	2570E 4.22E-10(1.0 5.1)	2580E 4.16E-10(1.0 5.12)	2590E 4.31E-10(1.0 4.11)	
2600E 4.50E-10(1.0 4.10)	2610E 4.61E-10(1.0 4.12)	2620E 4.66E-10(1.0 4.15)	2630E 4.59E-10(1.0 4.17)	2640E 4.66E-10(1.0 4.17)	
2650E 4.87E-10(1.0 4.15)	2660E 4.79E-10(1.0 4.13)	2670E 4.46E-10(1.0 4.10)	2680E 4.32E-10(1.0 4.5)	2690E 4.39E-10(1.0 4.6)	
2700E 4.39E-10(1.0 4.11)	2710E 4.25E-10(1.0 4.15)	2720E 4.04E-10(1.0 4.12)	2730E 3.87E-10(1.0 4.7)	2740E 3.88E-10(1.0 4.7)	
2750E 4.14E-10(1.0 4.11)	2760E 4.46E-10(1.0 4.14)	2770E 4.65E-10(1.0 4.16)	2780E 4.70E-10(1.0 3.17)	2790E 4.64E-10(1.0 3.16)	
2800E 4.44E-10(1.0 3.13)	2810E 4.15E-10(1.0 3.11)	2820E 3.97E-10(1.0 3.11)	2830E 4.00E-10(1.0 4.16)	2840E 4.18E-10(1.0 3.20)	
2850E 4.28E-10(1.0 3.21)	2860E 4.18E-10(1.0 3.15)	2870E 3.99E-10(1.0 3.7)	2880E 3.82E-10(1.0 3.2)	2890E 3.70E-10(1.0 3.9)	
2900E 3.66E-10(1.0 3.3)	2910E 3.70E-10(1.0 3.7)	2920E 3.75E-10(1.0 3.9)	2930E 3.80E-10(1.0 3.10)	2940E 3.83E-10(1.0 3.12)	
2950E 3.76E-10(1.0 3.14)	2960E 3.63E-10(1.0 3.18)	2970E 3.43E-10(1.0 3.22)	2980E 3.27E-10(1.0 3.25)	2990E 3.20E-10(1.0 3.26)	
3000E 3.16E-10(1.0 3.25)	3010E 3.10E-10(1.0 4.21)	3020E 3.00E-10(1.0 4.16)	3030E 2.92E-10(1.0 4.12)	0.0 (0.0 0.0)	
3000E 3.21E-10(1.0 4.24)	3020E 3.00E-10(1.0 4.16)	3040E 2.94E-10(1.0 3.11)	3060E 3.20E-10(1.0 3.18)	3080E 3.33E-10(1.0 3.20)	
3100E 3.17E-10(1.0 3.13)	3120E 3.12E-10(1.0 3.5)	3140E 3.10E-10(1.0 3.1)	3160E 3.03E-10(1.0 3.3)	3180E 3.00E-10(1.0 3.7)	
3200E 3.10E-10(1.0 3.11)	3220E 3.13E-10(1.0 3.16)	3240E 3.16E-10(1.0 3.16)	3260E 3.31E-10(1.0 3.13)	3280E 3.42E-10(1.0 3.8)	
3300E 3.29E-10(1.0 3.4)	3320E 3.05E-10(1.0 3.0)	3340E 2.95E-10(1.0 3.1)	3360E 2.96E-10(1.0 3.2)	3380E 2.92E-10(1.0 3.11)	
3400E 2.77E-10(1.0 3.18)	3420E 2.69E-10(1.0 3.18)	3440E 2.72E-10(1.0 3.11)	3460E 2.77E-10(1.0 3.5)	3480E 2.76E-10(1.0 3.6)	
3500E 2.64E-10(1.0 3.10)	3520E 2.46E-10(1.0 3.11)	3540E 2.31E-10(1.0 3.9)	3560E 2.19E-10(1.0 3.5)	3580E 2.11E-10(1.0 3.1)	
3600E 2.06E-10(1.0 3.3)	3620E 2.02E-10(1.0 3.7)	3640E 1.95E-10(1.0 3.7)	3660E 1.87E-10(1.0 3.4)	3680E 1.81E-10(1.0 3.1)	
3700E 1.82E-10(1.0 3.3)	3720E 1.90E-10(1.0 3.9)	3740E 2.01E-10(1.0 3.9)	3760E 2.06E-10(1.0 3.7)	3780E 2.02E-10(1.0 3.6)	
3800E 1.90E-10(1.0 3.4)	3820E 1.76E-10(1.0 3.1)	3840E 1.65E-10(1.0 3.3)	3860E 1.57E-10(1.0 3.0)	3880E 1.55E-10(1.0 3.6)	
3900E 1.57E-10(1.0 3.7)	3920E 1.61E-10(1.0 8.7)	3940E 1.65E-10(1.0 8.1)	3960E 1.69E-10(1.0 7.1)	3980E 1.71E-10(1.0 3.6)	
4000E 1.71E-10(1.0 3.4)	4020, 1.68E-10(1.0 3.0)	4040, 1.66E-10(1.0 3.0)	4060, 1.64E-10(1.0 3.0)	4080, 1.63E-10(1.0 3.0)	
4100, 1.63E-10(1.0 3.0)	4120, 1.65E-10(1.0 3.0)	4140, 1.68E-10(1.0 3.0)	4160, 1.70E-10(1.0 3.0)	4180, 1.72E-10(1.0 3.0)	
135, 0.00(0.0 0.0)	139, 0.00(0.0 0.0)	148, 0.00(0.0 0.0)	154, 0.00(0.0 0.0)	161, 0.00(0.0 0.0)	
166, 0.00(0.0 0.0)	172, 0.20(1.2 8.7)	181, 0.52(1.1 5.5)	192, 0.91(1.1 8.7)	204, 1.41(1.0 12.1)	
219, 1.79(1.7 9.8)	245E 2.13(1.5 6.5)	280E 2.39(1.4 14.5)	360E 2.99(1.3 0.0)	0.0 (0.0 0.0)	

X,Y(MM) -12.7 2.2 SL3-268 8 SCANS, T= 77: THT-2 ORI WT .6, SCALE 2.50  
X,Y(MM) -12.3 2.2 SL3-269 8 SCANS, T= 28: THT-2 ORI WT .6, SCALE 2.50

R = 0.25:+-

HD 37043

10T ORI

HD 37043

LAMBDA, F (WT, SIG)	F = AVE FLUX	FROM LAM-DEL/2 TO LAM+DEL/2
1310, 1.55E-08(1.0 0.0)	1312, 1.60E-08(1.0 0.0)	1314, 1.61E-08(1.0 0.0)
1320, 1.61E-08(1.0 0.0)	1322, 1.49E-08(1.0 0.0)	1324, 1.48E-08(1.0 0.0)
1330, 1.59E-08(1.0 0.0)	1332, 1.50E-08(1.0 0.0)	1334, 1.42E-08(1.0 0.0)
1340, 1.40E-08(1.1 3.3)	1342, 1.45E-08(1.1 3.3)	1344, 1.35E-08(1.1 3.3)
1350, 1.43E-08(1.1 3.3)	1352, 1.46E-08(1.1 3.3)	1354, 1.45E-08(1.1 3.3)
1360, 1.41E-08(1.3 8.6)	1362, 1.40E-08(1.3 1.7)	1364, 1.35E-08(1.3 1.6)
1370, 1.32E-08(1.3 2.3)	1372, 1.31E-08(1.3 3.1)	1374, 1.25E-08(1.4 4.5)
1380, 1.25E-08(1.5 8.9)	1382, 1.18E-08(1.4 7.5)	1384, 9.92E-09(1.4 6.0)
1390, 9.70E-09(1.4 4.8)	1392, 9.66E-09(1.4 2.5)	1394, 9.15E-09(1.4 1.8)
1400, 1.25E-08(1.6 1.0)	1402, 1.25E-08(1.7 4.8)	1404, 1.33E-08(1.7 7.9)
1410, 1.35E-08(1.8 4.4)	1412, 1.47E-08(1.8 7.4)	1414, 1.50E-08(1.8 1.0)
1420, 1.29E-08(1.8 5.4)	1422, 1.34E-08(1.8 5.0)	1424, 1.35E-08(1.8 3.0)
1430, 1.24E-08(1.9 1.9)	1432, 1.31E-08(1.9 5.8)	1434, 1.33E-08(1.9 6.7)
1440, 1.29E-08(1.8 9.0)	1442, 1.19E-08(1.9 10.6)	1444, 1.16E-08(1.9 11.1)
1450, 9.54E-09(1.9 6.0)	1452, 9.47E-09(2.0 8.2)	1454, 9.48E-09(2.1 8.7)
1460, 8.84E-09(2.1 2.5)	1462, 9.01E-09(2.1 7.2)	1464, 8.90E-09(2.0 6.8)
1470, 9.61E-09(2.0 6.8)	1472, 1.03E-08(2.1 10.4)	1474, 1.03E-08(2.1 13.9)
1480, 9.50E-09(2.0 11.3)	1482, 9.09E-09(2.1 8.8)	1484, 9.17E-09(2.1 6.0)
1490, 9.75E-09(2.2 2.7)	1492, 8.90E-09(2.2 1.4)	1494, 8.92E-09(2.2 3.4)
1500, 8.18E-09(2.0 10.9)	1502, 8.51E-09(2.1 6.0)	1504, 8.84E-09(2.1 3.1)
1510, 9.63E-09(2.2 5.4)	1512, 9.39E-09(2.2 5.6)	1514, 8.88E-09(2.2 6.4)
1520, 8.65E-09(2.2 12.1)	1522, 8.48E-09(2.1 9.3)	1524, 8.45E-09(2.1 12.9)
1530, 6.48E-09(1.9 10.1)	1532, 5.03E-09(1.9 7.9)	1534, 3.17E-09(1.8 9.9)
1540U 7.48E-10(1.2 29.2)	1542, 1.42E-09(1.3 17.9)	1544, 2.64E-09(1.6 9.2)
1550, 7.24E-09(2.0 8.5)	1552, 8.54E-09(2.4 9.2)	1554, 8.99E-09(2.4 11.0)
1560, 7.34E-09(2.5 5.4)	1562, 6.53E-09(2.5 5.4)	1564, 6.33E-09(2.5 3.4)
1570, 6.52E-09(2.4 4.9)	1572, 6.72E-09(2.4 2.3)	1574, 6.65E-09(2.4 1.6)
1580, 6.49E-09(2.4 3.7)	1582, 6.58E-09(2.4 2.7)	1584, 7.01E-09(2.3 5.1)
1590, 6.80E-09(2.3 7.2)	1592, 6.78E-09(2.3 4.4)	1594, 6.64E-09(2.3 6.4)
1600, 6.34E-09(2.3 7.5)	1602, 5.97E-09(2.3 9.2)	1604, 5.57E-09(2.3 4.0)
1610, 5.09E-09(2.3 3.4)	1612, 4.97E-09(2.3 3.8)	1614, 4.79E-09(2.3 3.1)
1620, 4.63E-09(2.3 5.4)	1622, 4.61E-09(2.3 6.8)	1624, 4.63E-09(2.3 9.4)
1630, 4.43E-09(2.3 5.9)	1632, 4.63E-09(2.3 5.4)	1634, 4.75E-09(2.3 3.3)
1640, 4.93E-09(2.2 2.9)	1642, 5.27E-09(2.1 5.6)	1644, 5.53E-09(2.1 5.5)
1650, 5.15E-09(2.1 8.3)	1652, 5.01E-09(2.1 7.4)	1654, 4.70E-09(2.1 4.2)
1660, 4.56E-09(2.1 12.2)	1662, 4.62E-09(2.1 13.4)	1664, 4.50E-09(2.1 10.8)
1670, 5.02E-09(2.0 10.0)	1672, 4.98E-09(2.0 11.9)	1674, 4.93E-09(2.0 9.7)
1680U 5.46E-09(1.9 7.9)	1682, 5.78E-09(1.9 6.6)	1684, 6.10E-09(1.9 4.0)
1690U 5.53E-09(1.9 4.3)	1692, 5.42E-09(2.0 6.9)	1694, 5.41E-09(2.0 7.5)
1700, 5.41E-09(1.9 8.9)	1702, 5.52E-09(1.9 6.8)	1704, 5.46E-09(1.9 5.7)
1710, 5.14E-09(1.9 3.8)	1712, 5.27E-09(1.9 5.1)	1714, 5.09E-09(1.9 4.9)
1720, 4.49E-09(1.9 10.6)	1722, 4.56E-09(1.9 9.7)	1724, 4.79E-09(1.9 9.1)
1730, 5.45E-09(1.8 6.9)	1732, 5.74E-09(1.8 4.0)	1734, 5.77E-09(1.7 2.6)
1740, 5.79E-09(1.7 11.2)	1742, 5.77E-09(1.7 12.5)	1744, 5.59E-09(1.7 12.5)
1750, 5.63E-09(1.6 2.9)	1752, 5.66E-09(1.6 1.6)	1754, 5.65E-09(1.6 9.9)
1760, 5.68E-09(1.5 4.3)	1762, 5.71E-09(1.5 8.3)	1764, 5.59E-09(1.5 10.2)
1770, 5.40E-09(1.5 5.1)	1772, 5.73E-09(1.5 4.2)	1774, 5.62E-09(1.5 6.5)
1780, 4.90E-09(1.5 15.9)	1782, 4.93E-09(1.5 13.3)	1784, 4.89E-09(1.5 12.7)
1790U 4.98E-09(1.4 6.5)	1792, 5.02E-09(1.4 7.3)	1794, 4.96E-09(1.4 8.9)
1800E 5.13E-09(1.3 7.2)	1802, 5.25E-09(1.3 7.6)	1804, 5.28E-09(1.3 7.4)
1810E 5.27E-09(1.3 9.8)	1812, 5.19E-09(1.2 9.2)	1814, 5.15E-09(1.2 8.5)
1820E 5.30E-09(1.2 12.0)	1822, 5.32E-09(1.2 11.2)	1824, 5.31E-09(1.2 9.1)
1800E 5.13E-09(1.3 6.9)	1805E 5.28E-09(1.3 7.6)	1810E 5.25E-09(1.3 9.7)
1825E 5.24E-09(1.2 8.9)	1830E 5.24E-09(1.2 8.9)	1840E 5.19E-09(1.2 8.9)
1850E 4.46E-09(1.1 6.7)	1855E 4.38E-09(1.1 4.3)	1860E 4.06E-09(1.1 2.6)
1875E 3.98E-09(1.1 14.7)	1880E 3.96E-09(1.0 10.6)	1885E 4.12E-09(1.0 3.7)
1900E 3.44E-09(1.0 2.3)	1905E 3.59E-09(1.0 6.3)	1910E 3.76E-09(1.0 8.6)
1925E 3.13E-09(1.0 4.2)	1930E 3.04E-09(1.0 7.6)	1935E 2.90E-09(1.0 7.9)
1950E 2.59E-09(1.0 3.1)	1955E 2.68E-09(1.0 9.2)	1960E 2.82E-09(1.0 14.6)
1975E 2.57E-09(1.0 6.8)	1980E 2.41E-09(1.0 9.2)	1985E 2.32E-09(1.0 9.4)
2000E 2.51E-09(1.0 8.9)	2005E 2.51E-09(1.0 8.4)	2010E 2.55E-09(1.0 8.5)
2025E 2.32E-09(1.0 7.1)	2030E 2.22E-09(1.0 8.1)	2035E 2.27E-09(1.0 7.5)
2050E 2.14E-09(1.0 7.0)	2055E 2.18E-09(1.0 7.4)	2060E 2.18E-09(1.0 7.4)
2075E 2.02E-09(1.0 6.3)	2080E 1.99E-09(1.0 6.3)	2085E 2.08E-09(1.0 6.3)
2100E 2.20E-09(1.0 5.9)	2105E 2.30E-09(1.0 5.6)	2110E 2.34E-09(1.0 5.3)
2125E 2.08E-09(1.0 5.1)	2130E 2.11E-09(1.0 5.1)	2135E 2.20E-09(1.0 5.2)
2150E 2.26E-09(1.0 4.9)	2155E 2.24E-09(1.0 4.5)	2160E 2.21E-09(1.0 4.3)
2175E 2.20E-09(1.0 4.6)	2180E 2.21E-09(1.0 4.1)	2185E 2.22E-09(1.0 4.7)
2200E 2.33E-09(1.0 3.8)	2205E 2.18E-09(1.0 3.8)	2210E 2.10E-09(1.0 3.5)
2225E 1.99E-09(1.0 3.0)	2230E 1.93E-09(1.0 3.4)	2235E 1.84E-09(1.0 3.1)
2250E 1.85E-09(1.0 3.8)	2255E 1.89E-09(1.0 3.7)	2260E 1.91E-09(1.0 3.8)
2275E 2.05E-09(1.0 3.7)	2280E 2.06E-09(1.0 3.5)	2285E 2.02E-09(1.0 3.4)
2300E 2.10E-09(1.0 2.1)	2305E 2.15E-09(1.0 2.1)	2310E 2.11E-09(1.0 2.1)
2300E 2.10E-09(1.0 2.1)	2310E 2.11E-09(1.0 2.1)	2320E 1.98E-09(1.0 2.1)
2330E 1.82E-09(1.0 2.1)	2340E 1.79E-09(1.0 2.1)	2350E 1.92E-09(1.0 2.1)
2400E 1.76E-09(1.0 2.1)	2410E 1.79E-09(1.0 2.1)	2420E 1.92E-09(1.0 2.1)
2450E 1.77E-09(1.0 2.1)	2460E 1.94E-09(1.0 2.1)	2470E 1.94E-09(1.0 2.1)
2500E 2.15E-09(1.0 2.1)	2510E 2.11E-09(1.0 2.1)	2520E 2.01E-09(1.0 2.1)
2550E 2.30E-09(1.0 1.9)	2560E 2.28E-09(1.0 1.9)	2570E 2.20E-09(1.0 1.9)
2600E 2.42E-09(1.0 1.7)	2610E 2.62E-09(1.0 1.8)	2620E 2.56E-09(1.0 1.6)
135, -1.48(1.2 2.6)	139, -1.19(1.5 9.9)	148, -1.04(2.1 7.7)
166, -3.38(2.1 5.6)	172, -4.42(1.8 4.3)	181E, -3.37(1.3 6.5)
219E, .59(1.4 5.6)	245E, .65(2.1 18.7)	280, 0.00(0.0 0.0)
X,Y(MM) -8.7 1.6 SL3-267 21 SCANS, T= 269 10T ORI WT 1.0, SCALE .78		
X,Y(MM) -8.5 1.6 SL3-268 20 SCANS, T= 77: 10T ORI WT 1.0, SCALE 1.03		
X,Y(MM) -7.8 1.6 SL3-269 20 SCANS, T= 28: 10T ORI WT 1.0, SCALE 1.13		
154, -4.48(1.9 5.9)	161, -4.53(2.3 1.8)	192E, .12(1.0 5.9)
360, 0.00(0.0 0.0)	204E, .00(0.0 0.0)	0, 0.00(0.0 0.0)

R = 1.38

LAMBDA	F	( W T, SIG)	F	A VE FLUX	FROM LAM-DEL/2 TO LAM-DEL/2	LAM-DEL/2								
1310.0	4.49E-08	(1.0 0.0)	1312.4	4.41E-08	(1.0 0.0)	1314.3	3.42E-08	(1.0 0.0)	1316.2	3.72E-08	(1.0 0.0)	1318.3	3.64E-08	(1.0 0.0)
1320.2	3.53E-08	(1.0 0.0)	1322.3	3.47E-08	(1.0 0.0)	1324.4	3.42E-08	(1.0 0.0)	1326.5	2.93E-08	(1.0 7.7)	1328.6	3.27E-08	(1.0 2.0)
1330.3	3.13E-08	(1.0 3.9)	1332.4	3.08E-08	(1.0 8.5)	1334.5	2.75E-08	(1.1 10.0)	1336.6	2.59E-08	(1.1 12.7)	1338.7	2.90E-08	(1.1 10.2)
1340.4	2.79E-08	(1.1 9.3)	1342.5	2.48E-08	(1.1 9.1)	1344.6	2.20E-08	(1.1 15.8)	1346.7	2.30E-08	(1.1 9.4)	1348.8	2.34E-08	(1.1 6.1)
1350.5	2.95E-08	(1.1 12.3)	1352.6	2.14E-08	(1.1 17.9)	1354.7	1.89E-08	(1.2 20.3)	1356.8	1.53E-08	(1.2 26.8)	1358.9	1.74E-08	(1.2 36.0)
1360.6	1.74E-08	(1.2 28.0)	1362.7	1.51E-08	(1.2 27.2)	1364.8	1.53E-08	(1.2 32.2)	1366.9	1.76E-08	(1.3 33.1)	1369.0	2.27E-08	(1.3 27.6)
1370.7	2.03E-08	(1.4 30.0)	1372.8	1.94E-08	(1.3 19.0)	1374.9	2.14E-08	(1.3 17.5)	1377.0	2.07E-08	(1.3 1.9)	1379.1	2.00E-08	(1.3 1.0)
1380.8	1.43E-08	(1.4 42.2)	1382.9	1.21E-08	(1.4 22.2)	1385.0	1.96E-08	(1.6 27.6)	1387.1	1.96E-08	(1.6 27.6)	1389.2	1.39E-08	(1.5 27.9)
1390.9	1.29E-08	(1.5 19.7)	1392.0	1.63E-08	(1.7 21.2)	1394.1	2.05E-08	(1.8 18.9)	1396.2	1.95E-08	(1.8 8.4)	1398.3	2.65E-08	(1.8 8.4)
1400.1	1.72E-08	(1.8 8.1)	1402.2	2.44E-08	(2.1 5.9)	1404.3	3.45E-08	(2.3 6.0)	1406.4	3.67E-08	(2.3 2.4)	1408.5	3.36E-08	(2.4 4.1)
1410.2	2.74E-08	(2.4 6.2)	1412.3	2.53E-08	(2.4 6.8)	1414.4	2.62E-08	(2.6 4.7)	1416.5	2.55E-08	(2.6 3.5)	1418.6	2.38E-08	(2.6 3.5)
1420.3	2.36E-08	(2.7 9.3)	1422.4	2.33E-08	(2.7 3.8)	1424.5	2.31E-08	(2.7 6.0)	1426.6	2.01E-08	(2.7 6.0)	1428.7	2.04E-08	(2.7 5.7)
1430.4	2.12E-08	(2.7 7.2)	1432.5	2.27E-08	(2.8 3.7)	1434.6	2.36E-08	(2.8 1.2)	1436.7	2.37E-08	(2.8 4.3)	1438.8	2.25E-08	(2.8 1.9)
1440.5	2.27E-08	(2.8 4.9)	1442.6	2.22E-08	(2.8 1.7)	1444.7	2.17E-08	(2.7 4.6)	1446.8	2.18E-08	(2.7 9.7)	1448.9	2.15E-08	(2.7 5.3)
1450.6	2.13E-08	(2.8 6.7)	1452.7	2.13E-08	(2.8 6.7)	1454.8	2.14E-08	(2.7 4.4)	1456.9	2.09E-08	(2.7 1.6)	1459.0	2.17E-08	(2.6 6.6)
1460.7	2.09E-08	(2.6 12.6)	1462.8	2.13E-08	(2.6 1.1)	1464.9	2.14E-08	(2.6 1.2)	1467.0	2.14E-08	(2.6 1.2)	1469.1	2.14E-08	(2.6 1.2)
1470.8	2.35E-08	(2.5 3.5)	1472.9	2.31E-08	(2.5 4.5)	1474.0	2.33E-08	(2.5 3.4)	1476.1	2.43E-08	(2.5 5.5)	1478.2	2.39E-08	(2.5 1.5)
1480.9	2.21E-08	(2.5 3.3)	1482.0	2.28E-08	(2.4 6.9)	1484.1	2.39E-08	(2.4 1.8)	1486.2	2.34E-08	(2.4 7.7)	1488.3	2.37E-08	(2.4 5.4)
1490.0	2.36E-08	(2.4 11.3)	1492.1	2.37E-08	(2.4 12.2)	1494.2	2.21E-08	(2.4 6.6)	1496.3	2.16E-08	(2.4 8.0)	1498.4	2.10E-08	(2.4 5.8)
1500.1	2.01E-08	(2.4 3.3)	1502.2	2.00E-08	(2.4 8.0)	1504.3	2.13E-08	(2.4 9.4)	1506.4	2.30E-08	(2.3 6.9)	1508.5	2.48E-08	(2.3 6.8)
1510.2	2.52E-08	(2.3 5.0)	1512.3	2.42E-08	(2.2 2.1)	1514.4	2.45E-08	(2.2 6.0)	1516.5	2.50E-08	(2.2 11.7)	1518.6	2.55E-08	(2.2 11.1)
1520.3	2.60E-08	(2.2 11.0)	1522.4	2.46E-08	(2.2 12.3)	1524.5	2.22E-08	(2.2 11.9)	1526.6	2.02E-08	(2.2 8.2)	1528.7	1.96E-08	(2.2 6.6)
1530.4	2.67E-08	(2.2 11.0)	1532.5	2.46E-08	(2.2 12.3)	1534.6	2.22E-08	(2.2 11.9)	1536.7	2.02E-08	(2.2 8.2)	1538.8	1.96E-08	(2.2 6.6)
1540.5	2.77E-08	(2.8 5.4)	1542.6	5.77E-09	(2.7 8.1)	1544.7	3.64E-09	(2.5 1.2)	1546.8	1.55E-09	(2.7 2.2)	1548.9	1.55E-09	(2.7 2.2)
1550.6	1.75E-08	(2.2 10.3)	1552.7	4.00E-08	(2.1 12.8)	1554.8	2.63E-08	(2.0 12.0)	1556.9	2.46E-08	(2.0 7.6)	1559.0	2.12E-08	(2.1 5.5)
1560.7	1.84E-08	(2.1 4.7)	1562.8	1.71E-08	(2.2 2.6)	1564.9	1.73E-08	(2.2 2.2)	1567.0	1.70E-08	(2.1 2.4)	1569.1	1.73E-08	(2.1 4.8)
1570.8	1.83E-08	(2.1 5.8)	1572.9	1.96E-08	(2.0 2.3)	1574.0	1.97E-08	(2.0 3.1)	1576.1	1.95E-08	(2.0 7.3)	1578.2	1.92E-08	(2.0 8.7)
1580.9	1.96E-08	(2.0 10.4)	1582.0	2.17E-08	(1.9 7.4)	1584.1	2.26E-08	(1.9 5.5)	1586.2	2.24E-08	(1.8 8.1)	1588.3	2.25E-08	(1.8 7.5)
1590.0	2.19E-08	(1.9 6.4)	1592.1	2.09E-08	(1.9 1.1)	1594.2	2.05E-08	(1.9 1.9)	1596.3	2.05E-08	(1.9 2.8)	1598.4	2.00E-08	(1.9 6.1)
1600.1	2.60E-08	(1.9 2.6)	1602.2	1.73E-08	(2.0 6.4)	1604.3	1.63E-08	(2.0 9.5)	1606.4	1.56E-08	(2.1 7.0)	1608.5	1.51E-08	(2.1 5.6)
1610.2	1.45E-08	(2.1 1.1)	1612.3	1.33E-08	(2.1 6.4)	1614.4	1.64E-08	(2.0 1.2)	1616.5	1.55E-08	(2.0 1.2)	1618.6	1.88E-08	(2.1 1.1)
1620.3	1.37E-08	(2.0 3.4)	1622.4	1.40E-08	(2.0 2.9)	1624.5	1.42E-08	(2.0 3.4)	1626.6	1.41E-08	(2.0 8.2)	1628.7	1.33E-08	(2.0 9.0)
1630.4	1.25E-08	(2.0 4.3)	1632.5	1.20E-08	(2.0 5.5)	1634.6	1.26E-08	(2.0 2.2)	1636.7	1.38E-08	(2.0 4.8)	1638.8	1.43E-08	(1.9 6.0)
1640.5	1.41E-08	(1.9 6.5)	1642.6	1.43E-08	(1.9 7.3)	1644.7	1.51E-08	(1.8 8.8)	1646.8	1.59E-08	(1.8 11.2)	1648.9	1.66E-08	(1.8 12.9)
1650.6	1.64E-08	(1.7 13.2)	1652.7	1.57E-08	(1.8 13.0)	1654.8	1.54E-08	(1.8 14.4)	1656.9	1.46E-08	(1.8 14.4)	1659.0	1.38E-08	(1.8 13.6)
1660.7	1.39E-08	(1.8 13.3)	1662.8	1.46E-08	(1.8 13.8)	1664.9	1.53E-08	(1.7 14.6)	1667.0	1.55E-08	(1.7 14.8)	1669.1	1.55E-08	(1.7 13.1)
1670.8	1.53E-08	(1.8 9.1)	1672.9	1.54E-08	(1.8 6.8)	1675.0	1.61E-08	(1.6 7.6)	1677.1	1.75E-08	(1.5 10.1)	1679.2	1.67E-08	(1.4 11.8)
1680.9	1.27E-08	(1.4 12.5)	1682.0	1.33E-08	(1.4 10.2)	1684.1	1.68E-08	(1.0 1.5)	1686.2	1.00E-08	(1.0 1.5)	1688.3	1.88E-08	(1.4 11.8)
1690.0	1.76E-08	(1.4 19.5)	1692.1	1.70E-08	(1.4 17.2)	1694.2	1.67E-08	(1.5 14.4)	1696.3	1.59E-08	(1.5 12.8)	1698.4	1.52E-08	(1.5 13.1)
1700.1	1.53E-08	(1.5 13.2)	1702.2	1.57E-08	(1.5 11.7)	1704.3	1.58E-08	(1.4 11.3)	1706.4	1.58E-08	(1.4 9.3)	1708.5	1.60E-08	(1.4 9.0)
1710.2	1.59E-08	(1.4 9.8)	1712.3	1.54E-08	(1.4 9.2)	1714.4	1.48E-08	(1.4 8.2)	1716.5	1.40E-08	(1.4 7.2)	1718.6	1.35E-08	(1.4 7.6)
1720.3	1.31E-08	(1.4 8.2)	1722.4	1.29E-08	(1.4 8.9)	1724.5	1.32E-08	(1.4 10.0)	1726.6	1.39E-08	(1.4 11.6)	1728.7	1.49E-08	(1.3 13.2)
1730.4	1.55E-08	(1.3 13.5)	1732.5	1.57E-08	(1.2 13.3)	1734.6	1.60E-08	(1.2 13.9)	1736.7	1.67E-08	(1.2 16.0)	1738.8	1.71E-08	(1.1 17.5)
1740.5	1.64E-08	(1.1 15.0)	1742.6	1.78E-08	(1.1 19.7)	1744.7	1.80E-08	(1.1 18.8)	1746.8	1.76E-08	(1.1 16.6)	1748.9	1.68E-08	(1.1 15.0)
1750.6	1.64E-08	(1.1 15.0)	1752.7	1.61E-08	(1.1 15.0)	1754.8	1.61E-08	(1.1 15.0)	1756.9	1.61E-08	(1.1 15.0)	1759.0	1.61E-08	(1.1 15.0)
1760.7	1.66E-08	(1.0 12.5)	1762.8	1.64E-08	(1.0 12.6)	1764.9	1.65E-08	(1.0 20.7)	1766.0	1.66E-08	(1.0 19.7)	1768.1	1.64E-08	(1.0 16.1)
1770.8	1.58E-08	(1.0 23.9)	1772.9	1.53E-08	(1.0 13.4)	1774.0	1.51E-08	(1.0 17.2)	1776.1	1.52E-08	(1.0 20.6)	1778.2	1.56E-08	(1.0 21.2)
1780.9	1.60E-08	(9 19.5)	1782.0	1.60E-08	(9 18.0)	1784.1	1.56E-08	(9 17.9)	1786.2	1.50E-08	(9 17.3)	1788.3	1.44E-08	(9 15.7)
1790.0	1.39E-08	(9 15.1)	1792.1	1.39E-08	(9 16.8)	1794.2	1.39E-08	(9 19.0)	1796.3	1.39E-08	(9 20.8)	1798.4	1.37E-08	(9 21.3)
1800.1	1.37E-08	(9 20.9)	1802.2	1.38E-08	(9 20.1)	1804.3	1.37E-08	(9 19.7)	1806.4	1.35E-08	(9 20.4)	1808.5	1.33E-08	(9 22.1)
1810.2	1.34E-08	(9 23.7)	1812.3	1.34E-08	(9 23.7)	1814.4	1.33E-08	(9 22.7)	1816.5	1.34E-08	(9 21.7)	1818.6	1.35E-08	(9 21.8)
1820.3	1.36E-08	(8 22.7)	1822.4	1.36E-08	(8 24.2)	1824.5	1.34E-08	(8 24.4)	1826.6	1.32E-08	(8 23.2)	1828.7	0.0	(0.0 0.0)
1800E	1.38E-08	(9 20.1)	1805E	1.35E-08	(9 19.9)	1810E	1.34E-08	(9 23.5)	1815E	1.33E-08	(9 21.8)	1820E	1.36E-08	(8 22.3)
1825E	1.34E-08	(8 23.4)	1830E	1.33E-08	(8 18.0)	1835E	1.34E-08	(8 15.2)	1840E	1.27E-08	(8 15.0)	1845E	1.17E-08	(8 12.9)
1850E	1.15E-08	(8 16.4)	1855E	1.14E-08	(8 15.9)	1860E	1.13E-08	(8 15.8)	1865E	1.14E-08	(8 19.2)	1870E	1.06E-08	(8 20.9)
1875E	9.76E-09	(8 19.2)	1880E	9.47E-09	(8 20.5)	1885E	8.90E-09	(8 22.2)	1890E	8.52E-09	(8 18.6)	1895E	8.71E-09	(8 19.6)
1900E	8.98E-09	(8 23.3)	1905E	9.12E-09	(8 25.0)	1910E	8.72E-09	(8 21.2)	1915E	8.01E-09	(8 19.9)	1920E	7.58E-09	(8 19.2)
1925E	7.81E-09	(8 17.4)	1930E	7.39E-09	(7 17.2)	1935E	7.08E-09	(7 17.2)	1940E	6.71E-09	(7 17.2)	1945E	6.37E-09	(7 17.2)
1950E	7.05E-09	(7 17.7)	1955E	6.88E-09	(7 16.3)	1960E	7.10E-09	(7 18.6)	1965E	7.15E-09	(7 20.4)	1970E	7.32E-09	(7 23.8)
1975E	6.85E-09	(7 24.4)	1980E	6.53E-09	(7 23.5)	1985E	6.30E-09	(7 21.0)	1990E	5.94E-09	(7 17.5)	1995E	5.87E-09	(6 16.9)
2000E	5.97E-09	(6 19.0)	2005E	6.06E-09	(6 22.4)	2010E	6.11E-09	(6 24.0)	2015E	6.03E-09	(6 21.1)	2020E	5.96E-09	(5 17.1)
2025E	5.90E-09	(5 16.5)	2030E	5.92E-09	(5 18.6)	2035E	6.08E-09	(5 18.3)	2040E	6.07E-09	(5 16.7)	2045E	5.95E-09	(5 16.7)
2050E	5.27E-09	(5 19.8)	2055E	5.11E-09	(5 22.1)	2060E	5.03E-09	(5 20.8)	2065E	4.97E-09	(5 18.9)	2070E	4.95E-09	(5 20.2)
2075E	5.10E-09	(4 21.1)	2080E	5.16E-09	(4 18.3)	2085E	4.90E-09	(4 16.8)	2090E	4.60E-09	(4 18.6)	2095E	4.55E-09	(4 23.1)
2100E	4.60E-09	(4 21.1)	2105E	4.71E-09	(4 21.1)	2110E	4.98E-09	(4 21.1)	2115E	4.80E-09	(4 18.3)	2120E	4.63E-09	(4 13.8)
2125E	4.26E-09	(3 10.5)	2130E	0.8E-09	(3 8.7)	2135E	3.3E-09	(3 7.9)	2140E	3.33E-09	(3 7.7)	2145E	4.03E-09	(3 13.0)
2150E	4.09E-09	(3 14.3)	2155E	4.07E-09	(3 13.9)	2160E	4.00E-09	(3 11.6)	2165E	3.97E-09	(3 8.1)	2170E	4.08E-09	(2 5.4)
2175E	4.27E-09	(2 5.6)	2180E	4.42E-09	(2 5.0)	2185E								

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135,      -1.78(1.2  20.0)  139,      -1.84(1.8   9.4)  148,      -2.01(2.5   3.2)  154,      -1.67(2.3   6.2)  161,      -1.61(2.0   2.8)
166,      -1.64(1.7  12.9)  172E,      -1.59(1.3  14.6)  181E,      -1.46(2.0  20.0)  192E,      -0.88(1.7  23.9)  204E,      -0.46(1.5  24.5)
219E,      -0.06(1.2  2.0)  245E,      -0.31(1.1  3.6)  280,      0.00(0.0  0.0)  360,      0.00(0.0  0.0)  0,      0.00(0.0  0.0)

X,Y(MM)      -8.7   7.6   SL3-264   20 SCANS, T= 236   EPS ORI   WT 1.0,SCALE 1.11
X,Y(MM)      -8.7   7.6   $L3-265   21 SCANS, T=   80   EPS ORI   WT 1.0,SCALE .89
X,Y(MM)      -8.7   7.6   SL3-266   19 SCANS, T=   30   EPS ORI   WT 1.0,SCALE 1.00

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**R = 0.81**





R = 1.00

HD 37209

HR 1911

HD 37209

LAMBDA, F (WT, SIG)	F = AVE FLUX FROM LAM-DEL/2 TO LAM+DEL/2		
1700, 0.0 (0.0 0.0)	1702, 0.0 (0.0 0.0)	1704, 4.98E-10(1.0 0.0)	1706, 5.09E-10(1.0 0.0)
1710, 4.98E-10(1.0 0.0)	1712, 5.04E-10(1.0 0.0)	1714, 5.28E-10(1.0 0.0)	1716, 5.14E-10(1.0 0.0)
1720, 4.67E-10(1.0 0.0)	1722, 4.76E-10(1.0 0.0)	1724, 5.00E-10(1.0 0.0)	1726, 5.30E-10(1.0 0.0)
1730, 5.30E-10(1.0 0.0)	1732, 5.21E-10(1.0 0.0)	1734, 5.19E-10(1.0 0.0)	1736, 5.10E-10(1.0 0.0)
1740, 4.81E-10(1.0 0.0)	1742, 4.94E-10(1.0 0.0)	1744, 5.06E-10(1.0 0.0)	1746, 5.02E-10(1.0 2.4)
1750, 4.94E-10(1.1 9)	1752, 4.88E-10(1.1 9)	1754, 4.81E-10(1.1 2.8)	1756, 4.82E-10(1.2 6.5)
1760, 4.96E-10(1.2 7.7)	1762, 4.83E-10(1.3 4.2)	1764, 4.83E-10(1.3 6)	1766, 4.98E-10(1.4 1.7)
1770, 4.80E-10(1.4 3.8)	1772, 4.57E-10(1.4 7.2)	1774, 4.44E-10(1.4 9.3)	1776, 4.47E-10(1.5 8.3)
1780, 4.78E-10(1.7 1.0)	1782, 4.70E-10(1.7 6)	1784, 4.64E-10(1.8 7)	1786, 4.67E-10(1.8 2.9)
1790, 4.76E-10(1.9 6.6)	1792, 4.76E-10(1.9 5.5)	1794, 4.71E-10(1.9 3.9)	1796, 4.64E-10(1.9 3.4)
1800, 4.96E-10(1.9 8.2)	1802, 5.08E-10(1.9 8.3)	1804, 4.96E-10(1.9 5.1)	1806, 4.87E-10(1.9 3.8)
1810, 5.11E-10(1.9 9)	1812, 5.16E-10(1.9 11.3)	1814, 5.12E-10(1.9 11.8)	1816, 5.06E-10(1.9 10.2)
1820, 5.03E-10(1.9 6.3)	1822, 5.04E-10(1.9 6.9)	1824, 5.05E-10(1.9 8.1)	1826, 4.99E-10(1.9 9.1)
1800, 4.94E-10(1.9 7.7)	1805, 4.93E-10(1.9 4.8)	1810, 5.08E-10(1.9 9.0)	1815, 5.09E-10(1.9 10.9)
1825, 5.01E-10(1.9 8.5)	1830, 4.92E-10(1.9 8.6)	1835, 4.92E-10(1.8 8.2)	1840, 4.67E-10(1.8 6.7)
1850, 3.99E-10(1.9 4.2)	1855, 3.73E-10(1.9 1.6)	1860, 3.74E-10(1.9 3.5)	1865, 3.73E-10(1.9 3.2)
1875, 4.12E-10(1.9 6.8)	1880, 3.97E-10(1.9 11.9)	1885, 3.62E-10(1.9 13.8)	1890, 3.53E-10(2.0 12.5)
1900, 3.57E-10(2.0 6.9)	1905, 3.50E-10(2.0 3.6)	1910, 3.42E-10(2.1 6.6)	1915, 3.36E-10(2.1 8)
1925, 3.14E-10(2.2 6.2)	1930, 3.06E-10(2.2 3.2)	1935, 3.07E-10(2.2 3.0)	1940, 3.05E-10(2.3 4.3)
1950, 3.15E-10(2.4 7.4)	1955, 3.09E-10(2.4 4.2)	1960, 2.91E-10(2.4 3.7)	1965, 2.99E-10(2.4 3.4)
1975, 3.00E-10(2.6 4.4)	1980, 2.95E-10(2.7 6.3)	1985, 2.84E-10(2.7 5.8)	1990, 2.69E-10(2.6 3.4)
2000, 2.70E-10(2.7 3.9)	2005, 2.78E-10(2.7 4.6)	2010, 2.69E-10(2.7 3.0)	2015, 2.66E-10(2.6 3.9)
2025, 2.74E-10(2.6 4.5)	2030, 2.67E-10(2.6 6.7)	2035, 2.54E-10(2.6 11.3)	2040, 2.42E-10(2.6 12.4)
2050, 2.35E-10(2.6 8.6)	2055, 2.32E-10(2.5 9.9)	2060, 2.33E-10(2.5 8.6)	2065, 2.37E-10(2.6 7.6)
2075, 2.46E-10(2.5 7)	2080, 1.75E-10(1.9 5.3)	2085, 2.26E-10(2.5 10.1)	2090, 1.66E-10(2.1 9.3)
2100, 2.08E-10(2.5 8.4)	2105, 2.18E-10(2.5 9.3)	2110, 2.27E-10(2.4 10.0)	2115, 2.27E-10(2.4 11.1)
2125, 2.24E-10(2.4 12.5)	2130, 2.27E-10(2.4 12.1)	2135, 2.22E-10(2.4 12.1)	2140, 2.10E-10(2.4 12.1)
2150, 2.03E-10(2.4 8.2)	2155, 2.06E-10(2.3 7.3)	2160, 2.05E-10(2.3 6.5)	2165, 2.03E-10(2.3 6.1)
2175, 1.92E-10(2.3 7.4)	2180, 1.88E-10(2.3 7.7)	2185, 1.89E-10(2.3 8.7)	2190, 1.92E-10(2.3 9.1)
2200, 1.87E-10(2.3 7.0)	2205, 1.84E-10(2.2 7.4)	2210, 1.82E-10(2.2 9.2)	2215, 1.79E-10(2.2 11.3)
2225, 1.70E-10(2.2 9.4)	2230, 1.71E-10(2.2 7.4)	2235, 1.72E-10(2.2 6.9)	2240, 1.70E-10(2.2 6.5)
2250, 1.17E-10(2.1 3.3)	2255, 1.15E-10(2.1 7.6)	2260, 1.70E-10(2.1 7.6)	2265, 1.67E-10(2.1 7.6)
2275, 1.60E-10(2.1 13.5)	2280, 1.58E-10(2.1 13.7)	2285, 1.57E-10(2.1 12.7)	2290, 1.55E-10(2.1 12.6)
2300, 1.52E-10(2.1 16.1)	2305, 1.53E-10(2.1 16.0)	2310, 1.55E-10(2.1 14.4)	2315, 1.53E-10(2.1 12.9)
2300, 1.52E-10(2.1 16.0)	2310, 1.54E-10(2.1 14.7)	2320, 1.49E-10(2.1 12.2)	2330, 1.45E-10(2.1 12.0)
2350, 1.40E-10(2.0 8.9)	2360, 1.36E-10(2.0 8.3)	2370, 1.33E-10(2.0 10.8)	2380, 1.37E-10(2.0 12.7)
2400, 1.38E-10(2.0 6.7)	2410, 1.33E-10(2.0 2.9)	2420, 1.32E-10(2.0 2.7)	2430, 1.30E-10(2.0 2.6)
2450, 1.25E-10(1.9 3.7)	2460, 1.23E-10(1.9 6.2)	2470, 1.22E-10(1.9 6.9)	2480, 1.22E-10(1.9 6.5)
2500, 1.17E-10(1.9 6.7)	2510, 1.18E-10(1.9 8.1)	2520, 1.17E-10(1.9 11.2)	2530, 1.13E-10(1.9 13.6)
2550, 1.02E-10(1.9 9.5)	2560, 9.97E-11(1.9 10.0)	2570, 1.01E-10(1.9 11.3)	2580, 1.03E-10(1.9 10.3)
2600, 1.02E-10(1.9 8.1)	2610, 1.00E-10(1.9 7.0)	2620, 1.01E-10(1.8 5.9)	2630, 1.04E-10(1.8 5.3)
2650, 1.06E-10(1.8 1.8)	2660, 1.06E-10(1.8 1.3)	2670, 1.04E-10(1.8 5)	2680, 9.99E-11(1.8 1.1)
2700, 9.33E-11(1.8 5.2)	2710, 9.21E-11(1.8 5.3)	2720, 9.15E-11(1.8 4.9)	2730, 9.20E-11(1.8 3.9)
2750, 9.54E-11(1.7 2.9)	2760, 9.56E-11(1.7 2.1)	2770, 9.43E-11(1.7 3.5)	2780, 9.27E-11(1.7 6.6)
2800, 9.05E-11(1.7 8.9)	2810, 8.96E-11(1.7 8.6)	2820, 8.86E-11(1.6 8.3)	2830, 8.85E-11(1.6 7.7)
2850, 8.79E-11(1.6 4.6)	2860, 8.71E-11(1.6 2.7)	2870, 8.55E-11(1.6 3.0)	2880, 8.37E-11(1.6 3.8)
2900, 8.14E-11(1.6 7.1)	2910, 8.11E-11(1.6 7.5)	2920, 8.10E-11(1.6 6.6)	2930, 8.11E-11(1.6 5.3)
2950, 8.01E-11(1.6 5.0)	2960, 7.85E-11(1.6 6.3)	2970, 7.67E-11(1.6 8.1)	2980, 7.57E-11(1.6 9.4)
3000, 7.65E-11(1.5 9.7)	3010, 7.67E-11(1.5 9.2)	3020, 7.59E-11(1.5 8.9)	3030, 7.46E-11(1.5 8.9)
3000, 7.65E-11(1.5 9.6)	3020, 7.59E-11(1.5 9.0)	3040, 7.34E-11(1.5 8.5)	3060, 7.18E-11(1.5 8.2)
3100, 7.02E-11(1.5 11.1)	3120E, 7.24E-11(1.5 15.2)	3140E, 7.43E-11(1.4 18.6)	3160E, 7.42E-11(1.4 18.7)
3200E, 7.17E-11(1.4 14.3)	3220E, 7.05E-11(1.4 14.7)	3240E, 6.96E-11(1.4 16.5)	3260E, 6.90E-11(1.4 15.6)
3300E, 6.76E-11(1.4 14.6)	3320E, 6.87E-11(1.4 17.4)	3340E, 6.79E-11(1.4 18.9)	3360E, 6.50E-11(1.4 20.6)
3400E, 6.30E-11(1.4 27.3)	3420E, 6.22E-11(1.4 26.2)	3440E, 5.98E-11(1.4 21.6)	3460E, 5.72E-11(1.4 17.7)
3500, 5.32E-11(1.4 16.2)	3520, 5.11E-11(1.4 14.7)	3540, 4.93E-11(1.4 13.1)	3560, 4.80E-11(1.4 13.4)
3600, 4.48E-11(1.4 18.0)	3620, 4.26E-11(1.4 18.6)	3640, 4.07E-11(1.4 16.8)	3660, 3.95E-11(1.4 14.4)
3700, 3.95E-11(1.4 11.9)	3720, 3.96E-11(1.3 12.0)	3740, 3.92E-11(1.3 12.6)	3760, 3.81E-11(1.3 13.9)
3800, 3.50E-11(1.3 17.1)	3820, 3.42E-11(1.3 17.9)	3840, 3.39E-11(1.3 17.9)	3860, 3.42E-11(1.2 16.9)
3900, 3.53E-11(1.2 14.1)	3920, 3.55E-11(1.2 13.1)	3940, 3.55E-11(1.2 12.6)	3960, 3.55E-11(1.1 12.2)
4000, 3.57E-11(1.1 11.6)	4020, 3.58E-11(1.1 10.6)	4040, 3.60E-11(1.1 8.9)	4060, 3.57E-11(1.0 0)
4100, 3.69E-11(1.0 0)	4120, 3.77E-11(1.0 0)	4140, 3.85E-11(1.0 0)	4160, 3.95E-11(1.0 0)
4180, 4.04E-11(1.0 0)			
135, 0.00(0.0 0.0)	139, 0.00(0.0 0.0)	148, 0.00(0.0 0.0)	154, 0.00(0.0 0.0)
166, 0.00(0.0 0.0)	172, 0.00(0.0 0.0)	181, 2.20(1.8 4.8)	192, 2.59(2.2 5.6)
219, 3.21(2.3 9.0)	245, 3.67(1.9 7.4)	280, 4.03(1.7 2.3)	360, 4.67(1.4 15.8)
161, 0.00(0.0 0.0)	204, 2.91(2.6 6.0)		0, 0.00(0.0 0.0)

X,Y(MM) -7.8 -9 SL3-267 21 SCANS, T= 269 HR 1911 WT 1.0, SCALE .79

X,Y(MM) -7.4 -9 SL3-268 18 SCANS, T= 77: HR 1911 WT 1.0, SCALE 1.02

X,Y(MM) -6.9 -9 SL3-269 17 SCANS, T= 28: HR 1911 WT 1.0, SCALE 1.14

R = 1.07+

LAMBDA	F	(WT, SIG)	F - AVE FLUX	FROM LAM-DEL/2	TO LAM-DEL/2																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
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X,Y(MM) -8.7 17.4 SL4- 52 22 SCANS, T= 213 26 AUR WT .7,SCALE 1.00

R = (0.70)



LAMBDA, F (WT, SIG)				F = AVE FLUX FROM LAM-DEL/2 TO LAM-DEL/2				
13100A	1.01E-08	(3.0 0.0)	13120A	1.23E-08	(4.0 0.0)	13140A	1.23E-08	(5.0 0.0)
1320A	1.26E-08	(7.0 0.0)	1322A	1.34E-08	(7.0 0.0)	1324A	1.32E-08	(7.0 0.0)
1330A	1.13E-08	(6.0 0.0)	1332A	8.91E-09	(5.0 0.0)	1334A	7.88E-09	(5.0 0.0)
1340A	8.32E-09	(6.0 0.0)	1342A	7.99E-09	(6.0 0.0)	1344A	8.28E-09	(7.0 0.0)
1350A	8.45E-09	(8.0 0.0)	1352A	8.48E-09	(9.0 0.0)	1354A	7.75E-09	(9.0 0.0)
1360A	7.77E-09	(1.0 0.0)	1362A	7.23E-09	(1.0 0.0)	1364A	7.58E-09	(1.0 0.0)
1370A	4.54E-09	(2.0 0.0)	1372A	5.81E-09	(9.0 0.0)	1374A	5.99E-09	(9.0 0.0)
1380A	3.22E-09	(1.0 0.0)	1382A	3.78E-09	(1.0 0.0)	1384A	7.12E-09	(1.0 0.0)
1390A	6.07E-09	(1.0 2.5)	1392A	8.33E-09	(1.0 1.7)	1394A	5.96E-09	(1.0 12.0)
1400A	5.55E-09	(1.0 5.2)	1402A	5.12E-09	(1.4 3.3)	1404A	5.54E-09	(1.1 6.6)
1410A	6.24E-09	(1.2 2.0)	1412A	5.69E-09	(1.3 7.8)	1414A	5.90E-09	(1.3 4.5)
1420A	5.78E-09	(1.5 1.4)	1422A	5.79E-09	(1.5 5.8)	1424A	5.73E-09	(1.5 2.5)
1430A	4.80E-09	(1.4 19.6)	1432A	5.03E-09	(1.5 11.9)	1434A	5.07E-09	(1.7 6.1)
1440A	5.08E-09	(1.9 9.4)	1442A	5.31E-09	(1.9 8.6)	1444A	5.02E-09	(1.9 1.8)
1450A	4.73E-09	(2.1 9.2)	1452A	4.92E-09	(1.9 5.9)	1454A	4.65E-09	(1.9 4.5)
1460A	4.60E-09	(1.1 8.8)	1462A	3.93E-09	(2.4 1.5)	1464A	4.84E-09	(2.5 9.4)
1470A	5.03E-09	(2.5 19.7)	1472A	4.93E-09	(2.5 26.2)	1474A	4.79E-09	(2.5 9.4)
1480A	4.40E-09	(2.3 4.9)	1482A	4.36E-09	(2.3 3.7)	1484A	4.50E-09	(2.4 9.1)
1490A	4.78E-09	(2.5 12.3)	1492A	4.60E-09	(2.6 11.8)	1494A	4.55E-09	(2.6 13.3)
1500A	4.10E-09	(2.5 7.6)	1502A	3.99E-09	(2.5 7.0)	1504A	4.16E-09	(2.5 11.3)
1510A	4.08E-09	(2.5 8.8)	1512A	3.97E-09	(2.5 6.4)	1514A	4.03E-09	(2.5 2.6)
1520A	4.17E-09	(2.5 5.3)	1522A	4.13E-09	(2.6 5.2)	1524A	4.12E-09	(2.7 14.8)
1530A	3.47E-09	(2.5 5.3)	1532A	3.45E-09	(2.5 5.8)	1534A	3.84E-09	(2.5 3.2)
1540A	3.34E-09	(2.5 3.5)	1542A	3.02E-09	(2.4 1.5)	1544A	2.88E-09	(2.5 3.2)
1550A	2.57E-09	(2.2 6.5)	1552A	2.81E-09	(2.3 3.1)	1554A	3.03E-09	(2.4 4.2)
1560A	3.47E-09	(2.6 5.9)	1562A	3.48E-09	(2.7 4.8)	1564A	3.47E-09	(2.7 2.7)
1570A	3.47E-09	(2.8 4.1)	1572A	3.55E-09	(2.7 1.9)	1574A	3.50E-09	(2.7 1.2)
1580A	3.41E-09	(2.8 6.9)	1582A	3.57E-09	(2.8 7.6)	1584A	3.58E-09	(2.8 5.4)
1590A	3.62E-09	(2.8 9.9)	1592A	3.53E-09	(2.8 3.0)	1594A	3.39E-09	(2.8 3.1)
1600A	3.38E-09	(2.8 1.7)	1602A	3.26E-09	(2.8 3.1)	1604A	3.24E-09	(2.8 7.0)
1610A	2.98E-09	(2.8 2.1)	1612A	3.02E-09	(2.8 3.4)	1614A	3.84E-09	(2.8 8.1)
1620A	2.98E-09	(2.8 2.1)	1622A	3.04E-09	(2.8 1.5)	1624A	2.95E-09	(2.8 1.0)
1630A	2.93E-09	(2.8 7.5)	1632A	3.04E-09	(2.7 5.6)	1634A	3.05E-09	(2.7 4.9)
1640A	3.09E-09	(2.7 6.2)	1642A	3.20E-09	(2.7 8.5)	1644A	3.26E-09	(2.7 9.0)
1650A	3.45E-09	(2.6 11.1)	1652A	3.39E-09	(2.6 9.8)	1654A	3.33E-09	(2.6 7.5)
1660A	3.25E-09	(2.6 5.4)	1662A	3.26E-09	(2.6 4.8)	1664A	3.39E-09	(2.6 6.1)
1670A	3.28E-09	(2.5 5.2)	1672A	3.2				

 $R = 1.05$



$R = 0.63$



HD 37507

49 ORI

HD 37507

LAMSDA, F (WT, SIG)	F = AVE FLUX FROM LAM-DEL/2 TO LAM+DEL/2				
1900U 4.11E-11(0.4 0.0)	1905U 3.98E-11(0.4 0.0)	1910U 4.33E-11(0.5 0.0)	1915U 4.28E-11(0.5 0.0)	1920U 4.34E-11(0.5 0.0)	
1925U 4.41E-11(0.6 0.0)	1930U 4.36E-11(0.6 0.0)	1935U 4.15E-11(0.6 0.0)	1940U 3.99E-11(0.6 0.0)	1945U 4.16E-11(0.6 0.0)	
1950U 4.17E-11(0.7 0.0)	1955U 4.46E-11(0.8 0.0)	1960U 4.59E-11(0.8 0.0)	1965U 4.42E-11(0.8 0.0)	1970U 4.29E-11(0.8 0.0)	
1975U 3.80E-11(0.7 0.0)	1980U 3.48E-11(0.7 0.0)	1985U 3.72E-11(0.7 0.0)	1990U 3.57E-11(0.7 0.0)	1995U 3.06E-11(0.7 0.0)	
2000U 3.12E-11(0.7 0.0)	2005U 3.59E-11(0.8 0.0)	2010U 3.27E-11(0.8 0.0)	2015U 2.92E-11(0.8 0.0)	2020U 2.96E-11(0.8 0.0)	
2025U 3.12E-11(0.9 0.0)	2030U 3.38E-11(1.0 0.0)	2035U 3.48E-11(1.0 0.0)	2040U 3.58E-11(1.0 0.0)	2045U 3.66E-11(1.0 0.0)	
2050U 3.53E-11(1.0 0.0)	2055U 3.32E-11(1.0 0.0)	2060U 3.27E-11(1.0 0.0)	2065U 3.39E-11(1.0 0.0)	2070U 3.31E-11(1.0 0.0)	
2075U 3.21E-11(1.0 0.0)	2080U 3.48E-11(1.0 0.0)	2085U 3.75E-11(1.0 0.0)	2090U 3.75E-11(1.0 0.0)	2095U 3.61E-11(1.0 0.0)	
2100U 3.51E-11(1.1 8.1)	2105U 3.55E-11(1.1 6.9)	2110U 3.60E-11(1.1 4.2)	2115U 3.51E-11(1.2 5.5)	2120U 3.41E-11(1.2 8.5)	
2125U 3.39E-11(1.2 10.6)	2130U 3.34E-11(1.2 15.6)	2135U 3.28E-11(1.2 19.3)	2140U 3.13E-11(1.2 18.1)	2145U 2.95E-11(1.2 16.1)	
2150U 2.92E-11(1.2 16.9)	2155U 3.01E-11(1.2 20.6)	2160U 2.98E-11(1.3 22.2)	2165U 2.95E-11(1.4 17.2)	2170U 2.89E-11(1.5 14.6)	
2175U 2.83E-11(1.5 19.0)	2180U 2.84E-11(1.5 21.1)	2185U 2.90E-11(1.6 19.5)	2190U 2.93E-11(1.7 16.1)	2195U 2.91E-11(2.0 11.7)	
2200U 2.99E-11(2.0 4.4)	2205U 2.98E-11(2.0 4.4)	2210U 2.87E-11(2.0 2.2)	2215U 2.74E-11(2.0 3.0)	2220U 2.74E-11(2.0 4.5)	
2225U 2.79E-11(2.0 2.3)	2230U 2.84E-11(2.0 1.1)	2235U 2.82E-11(2.0 1.9)	2240U 2.77E-11(2.0 3.3)	2245U 2.75E-11(2.0 1.0)	
2250U 2.72E-11(2.0 6.3)	2255U 2.68E-11(2.0 7.7)	2260U 2.62E-11(2.0 2.0)	2265U 2.57E-11(2.0 2.5)	2270U 2.57E-11(2.0 3.3)	
2275U 2.58E-11(2.0 3.7)	2280U 2.58E-11(2.0 3.5)	2285U 2.57E-11(2.0 9.9)	2290U 2.57E-11(2.0 2.0)	2295U 2.57E-11(2.0 3.3)	
2300U 2.52E-11(2.0 2.7)	2305U 2.47E-11(2.0 1.5)	2310U 2.45E-11(2.0 1.5)	2315U 2.45E-11(2.0 2.3)	2320U 2.45E-11(2.0 2.3)	
2330U 2.52E-11(2.0 2.5)	23310 2.46E-11(2.0 1.7)	23320 2.44E-11(2.0 3.4)	23330 2.39E-11(2.0 4.4)	2340U 2.40E-11(2.0 3.7)	
2350U 2.31E-11(2.0 2.2)	2360U 2.14E-11(2.0 4.5)	2370U 2.06E-11(2.0 5.0)	2380U 2.04E-11(2.0 4.0)	2390U 2.08E-11(2.0 1.8)	
2400U 2.10E-11(2.0 1.4)	2410U 2.07E-11(2.0 3.3)	2420U 2.09E-11(2.0 3.5)	2430U 2.16E-11(1.9 2.4)	2440U 2.24E-11(1.9 2.1)	
2450U 2.27E-11(1.9 1.5)	2460U 2.23E-11(1.9 1.6)	2470U 2.16E-11(1.9 3.3)	2480U 2.06E-11(1.9 4.0)	2490U 1.99E-11(1.9 5.5)	
2500U 2.01E-11(1.9 6.0)	2510U 2.04E-11(1.9 6.0)	2520U 2.07E-11(1.9 5.7)	2530U 2.10E-11(1.9 5.2)	2540U 2.16E-11(1.9 4.0)	
2550U 2.24E-11(1.8 1.9)	2560U 2.29E-11(1.8 1.6)	2570U 2.28E-11(1.8 2.7)	2580U 2.25E-11(1.8 2.1)	2590U 2.25E-11(1.8 8.8)	
2600U 2.27E-11(1.8 2.3)	2610U 2.33E-11(1.8 2.2)	2620U 2.36E-11(1.8 2.4)	2630U 2.31E-11(1.7 4.3)	2640U 2.25E-11(1.7 3.9)	
2650U 2.28E-11(1.8 4.4)	2660U 2.35E-11(1.8 4.5)	2670U 2.35E-11(1.7 8.8)	2680U 2.31E-11(1.7 11.6)	2690U 2.32E-11(1.7 11.1)	
2700U 2.33E-11(1.7 7.0)	2710U 2.33E-11(1.7 2.5)	2720U 2.34E-11(1.6 1.0)	2730U 2.37E-11(1.6 2.0)	2740U 2.36E-11(1.6 3.9)	
2750U 2.32E-11(1.6 5.5)	2760U 2.31E-11(1.6 5.6)	2770U 2.31E-11(1.6 4.3)	2780U 2.33E-11(1.6 3.3)	2790U 2.34E-11(1.6 2.9)	
2800U 2.34E-11(1.5 2.9)	2810U 2.33E-11(1.5 2.7)	2820U 2.36E-11(1.5 2.0)	2830U 2.38E-11(1.5 0.0)	2840U 2.37E-11(1.5 2.0)	
2850U 2.35E-11(1.5 3.7)	2860U 2.36E-11(1.5 3.5)	2870U 2.42E-11(1.4 2.3)	2880U 2.53E-11(1.4 8.8)	2890U 2.62E-11(1.4 1.1)	
2900U 2.67E-11(1.3 9.9)	2910U 2.69E-11(1.3 1.1)	2920U 2.71E-11(1.3 2.2)	2930U 2.74E-11(1.3 1.3)	2940U 2.76E-11(1.3 2.5)	
2950U 2.76E-11(1.2 2.4)	2960U 2.76E-11(1.2 9.9)	2970U 2.78E-11(1.2 9.9)	2980U 2.83E-11(1.2 3.2)	2990U 2.87E-11(1.2 4.4)	
3000U 2.90E-11(1.2 5.6)	3010U 2.90E-11(1.1 4.9)	3020U 2.88E-11(1.1 3.2)	3030U 2.85E-11(1.1 1.0)	3040U 2.76E-11(1.1 3.9)	
3050U 2.90E-11(1.1 5.3)	3060U 2.88E-11(1.1 3.2)	3070U 2.82E-11(1.1 1.0)	3080U 2.75E-11(1.1 3.3)	3090U 2.75E-11(1.1 3.3)	
3100U 2.75E-11(1.1 7.7)	3110U 2.79E-11(1.1 5.5)	3120U 2.89E-11(1.0 2.5)	3130U 2.98E-11(1.0 3.1)	3140U 3.02E-11(1.0 2.2)	
3200U 3.08E-11(1.0 4.0)	3210U 3.14E-11(0.9 6.1)	3220U 3.15E-11(0.9 3.6)	3230U 3.14E-11(0.9 2.0)	3240U 3.18E-11(0.9 4.3)	
3300E 3.23E-11(0.9 2.7)	3310E 3.25E-11(0.9 4.4)	3320E 3.29E-11(0.9 7.7)	3330E 3.33E-11(0.9 2.1)	3340E 3.37E-11(0.8 3.9)	
3400E 3.43E-11(0.8 3.9)	3410E 3.49E-11(0.8 6.6)	3420E 3.47E-11(0.8 3.1)	3430E 3.33E-11(0.8 3.4)	3440E 3.15E-11(0.8 1.8)	
3500E 3.03E-11(0.8 1.4)	3510E 3.03E-11(0.8 2.5)	3520E 3.08E-11(0.8 3.6)	3530E 3.06E-11(0.8 2.8)	3540E 2.95E-11(0.8 1.4)	
3600E 2.81E-11(0.9 2.2)	3610E 2.69E-11(0.9 2.2)	3620E 2.65E-11(0.9 1.6)	3630E 2.65E-11(0.9 3.6)	3640E 2.66E-11(0.9 6.1)	
3700E 2.70E-11(0.9 8.4)	3710E 2.79E-11(0.9 9.3)	3720E 2.93E-11(0.8 8.9)	3730E 3.14E-11(0.8 7.7)	3740E 3.37E-11(0.8 6.5)	
3800E 3.61E-11(0.7 5.8)	3810E 3.84E-11(0.7 6.0)	3820E 4.09E-11(0.7 6.4)	3830E 4.35E-11(0.7 7.0)	3840E 4.65E-11(0.6 7.4)	
3900E 4.97E-11(0.6 7.6)	3910E 5.30E-11(0.6 8.2)	3920E 5.59E-11(0.6 8.9)	3930E 5.84E-11(0.6 9.7)	3940E 6.03E-11(0.6 10.3)	
4000E 6.18E-11(0.6 10.6)	4010E 6.26E-11(0.6 10.4)	4020E 6.32E-11(0.6 9.8)	4030E 6.38E-11(0.6 8.7)	4040E 6.45E-11(0.6 7.6)	
4100E 6.58E-11(0.6 7.2)	4110E 6.72E-11(0.6 7.1)	4120E 6.91E-11(0.6 8.0)	4130E 7.12E-11(0.6 9.2)	4140E 7.30E-11(0.6 10.1)	
135U 0.00(0.0 0.0)	139U 0.00(0.0 0.0)	148U 0.00(0.0 0.0)	154U 0.00(0.0 0.0)	161U 0.00(0.0 0.0)	
166U 0.00(0.0 0.0)	172U 0.00(0.0 0.0)	181U 0.00(0.0 0.0)	192U 0.00(0.0 0.0)	204U 0.06(0.9 0.0)	
219U 5.24(1.7 11.6)	245U 5.56(1.9 3.3)	280U 5.41(1.5 1.2)	360E 5.12(0.8 3.2)	0.00(0.0 0.0)	
X,Y(MM) 1.6 -6.9	SL3-267	22 SCANS, T= 269	49 ORI	WT 1.0, SCALE 1.05	
X,Y(MM) 2.0 -6.9	SL3-268	18 SCANS, T= 77	49 ORI	WT 1.0, SCALE .95	

R = (1.08)

LAMBDA, F (WT, SIG)	F = AVE FLUX FROM LAM-DEL/2 TO LAM+DEL/2		
1340, 0. (0.0 0.0)	1342, 3.67E-08(2.6 14.6)	1344, 3.18E-08(2.6 18.3)	1346, 3.29E-08(2.6 18.6)
1350, 3.24E-08(2.6 14.0)	1352, 3.10E-08(2.6 12.4)	1354, 3.21E-08(2.5 18.1)	1356, 2.65E-08(2.5 9.6)
1360, 2.52E-08(2.5 10.8)	1362, 2.42E-08(2.6 13.6)	1364, 2.54E-08(2.7 26.4)	1366, 2.52E-08(2.7 23.9)
1370, 2.44E-08(2.7 18.9)	1372, 2.56E-08(2.7 19.7)	1374, 2.40E-08(2.7 19.1)	1376, 2.61E-08(2.7 16.7)
1380, 2.49E-08(2.7 14.8)	1382, 2.31E-08(2.6 11.8)	1384, 1.87E-08(2.4 11.4)	1386, 1.22E-08(2.3 6.9)
1390, 1.27E-08(2.3 1.5)	1392, 1.49E-08(2.3 7.6)	1394, 1.37E-08(2.4 11.4)	1396, 1.31E-08(2.4 8.4)
1400, 2.05E-08(2.9 15.0)	1402, 2.58E-08(2.8 7.5)	1404, 3.69E-08(2.7 12.5)	1406, 4.07E-08(2.6 17.2)
1410, 3.17E-08(2.6 19.6)	1412, 2.82E-08(2.7 11.6)	1414, 2.80E-08(2.7 10.9)	1416, 2.56E-08(2.7 8.4)
1420, 2.38E-08(2.7 8.5)	1422, 2.35E-08(2.7 5.8)	1424, 2.30E-08(2.7 2.9)	1426, 2.11E-08(2.8 4.2)
1430, 1.93E-08(2.8 5.4)	1432, 2.03E-08(2.7 5.6)	1434, 2.17E-08(2.7 9.3)	1436, 2.14E-08(2.6 9.6)
1440, 2.08E-08(2.6 10.6)	1442, 2.10E-08(2.6 2.9)	1444, 2.08E-08(2.6 5.3)	1446, 2.08E-08(2.6 4.0)
1450, 2.04E-08(2.5 1.6)	1452, 1.97E-08(2.6 7.2)	1454, 1.79E-08(2.6 7.7)	1456, 1.80E-08(2.6 2.7)
1460, 1.77E-08(2.5 1.4)	1462, 1.87E-08(2.5 7.9)	1464, 1.95E-08(2.5 4.9)	1466, 1.89E-08(2.5 3.0)
1470, 2.02E-08(2.4 3.3)	1472, 2.08E-08(2.4 4.6)	1474, 2.07E-08(2.4 4.0)	1476, 2.02E-08(2.4 2.6)
1480, 2.02E-08(2.4 6.1)	1482, 1.94E-08(2.4 3.1)	1484, 1.95E-08(2.4 1.0)	1486, 2.04E-08(2.3 1.7)
1490, 2.05E-08(2.3 9.0)	1492, 2.09E-08(2.3 11.0)	1494, 2.06E-08(2.3 3.9)	1496, 1.95E-08(2.3 7.2)
1500, 1.73E-08(2.3 9.7)	1502, 1.67E-08(2.3 13.1)	1504, 1.74E-08(2.3 12.9)	1506, 1.85E-08(2.3 11.8)
1510, 1.97E-08(2.2 10.2)	1512, 1.95E-08(2.2 10.9)	1514, 1.98E-08(2.2 15.6)	1516, 1.91E-08(2.1 14.8)
1520, 1.45E-08(2.1 15.8)	1522, 1.90E-08(2.1 11.4)	1524, 1.69E-08(2.2 11.3)	1526, 1.53E-08(2.2 6.9)
1530, 1.45E-08(2.3 7.9)	1532, 1.33E-08(2.3 7.3)	1534, 1.13E-08(2.4 2.7)	1536, 9.40E-09(2.5 5.5)
1540, 5.57E-09(2.6 15.5)	1542, 4.60E-09(2.4 14.9)	1544, 4.55E-09(2.6 14.1)	1546, 5.57E-09(2.6 18.2)
1550, 1.24E-08(2.3 20.5)	1552, 1.70E-08(2.1 9.4)	1554, 2.02E-08(2.0 6.1)	1556, 1.99E-08(2.0 7.3)
1560, 1.64E-08(2.0 12.1)	1562, 1.50E-08(2.0 10.8)	1564, 1.35E-08(2.1 8.3)	1566, 1.31E-08(2.1 8.7)
1570, 1.32E-08(2.1 16.1)	1572, 1.41E-08(2.1 17.1)	1574, 1.53E-08(2.0 16.1)	1576, 1.54E-08(2.0 14.1)
1580, 1.62E-08(1.9 14.3)	1582, 1.53E-08(1.9 13.6)	1584, 1.54E-08(1.9 12.7)	1586, 1.52E-08(1.9 15.0)
1590, 1.44E-08(1.8 12.1)	1592, 1.59E-08(1.8 9.9)	1594, 1.57E-08(1.8 10.1)	1596, 1.51E-08(1.8 12.8)
1600, 1.39E-08(1.9 15.4)	1602, 1.30E-08(1.9 15.9)	1604, 1.23E-08(1.9 15.0)	1606, 1.22E-08(1.9 13.8)
1610, 1.20E-08(1.9 9.2)	1612, 1.07E-08(2.0 9.7)	1614, 1.05E-08(2.0 10.6)	1616, 1.08E-08(2.0 9.5)
1620, 1.08E-08(1.9 12.1)	1622, 1.13E-08(1.9 12.2)	1624, 1.15E-08(1.9 11.4)	1626, 1.13E-08(1.9 16.5)
1630, 1.00E-08(1.9 21.4)	1632, 1.06E-08(1.8 18.8)	1634, 1.15E-08(1.8 13.3)	1636, 1.19E-08(1.7 11.3)
1640, 1.25E-08(1.6 16.7)	1642, 1.28E-08(1.6 18.3)	1644, 1.35E-08(1.5 19.1)	1646, 1.42E-08(1.5 20.9)
1650E 1.41E-08(1.5 13.3)	1652, 1.39E-08(1.5 9.0)	1654, 1.30E-08(1.5 7.9)	1656, 1.21E-08(1.6 5.3)
1660, 1.11E-08(1.6 14.6)	1662, 1.14E-08(1.5 15.3)	1664, 1.28E-08(1.5 15.3)	1666E 1.43E-08(1.4 16.5)
1670E 1.31E-08(1.4 12.9)	1672E 1.26E-08(1.4 10.8)	1674E 1.31E-08(1.4 11.3)	1676E 1.44E-08(1.3 12.9)
1680E 1.66E-08(1.2 8.4)	1682E 1.73E-08(1.2 8.7)	1684E 1.76E-08(1.1 9.4)	1686E 1.75E-08(1.1 12.6)
1690E 1.63E-08(1.1 9.5)	1692E 1.59E-08(1.2 7.5)	1694E 1.55E-08(1.2 8.9)	1696E 1.51E-08(1.2 10.2)
1700E 1.38E-08(1.2 9.6)	1702E 1.36E-08(1.2 10.3)	1704E 1.39E-08(1.2 9.6)	1706E 1.44E-08(1.2 7.8)
1710E 1.45E-08(1.1 9.5)	1712E 1.42E-08(1.1 10.0)	1714E 1.40E-08(1.1 11.3)	1716E 1.36E-08(1.1 12.7)
1720E 1.27E-08(1.1 11.0)	1722E 1.23E-08(1.2 9.2)	1724E 1.21E-08(1.1 10.8)	1726E 1.26E-08(1.1 13.5)
1730E 1.53E-08(1.0 12.7)	1732E 1.59E-08(1.0 8.7)	1734E 1.59E-08(1.0 9.6)	1736E 1.61E-08(1.0 8.6)
1740E 1.58E-08(1.0 15.8)	1742E 1.55E-08(1.0 14.7)	1744E 1.60E-08(1.0 12.1)	1746E 1.63E-08(1.0 8.7)
1750E 1.50E-08(1.0 8.7)	1752E 1.47E-08(1.0 10.6)	1754E 1.52E-08(1.0 8.8)	1756E 1.62E-08(1.0 11.8)
1760E 1.57E-08(1.0 12.2)	1762E 1.50E-08(1.0 16.1)	1764E 1.47E-08(1.0 17.1)	1766E 1.49E-08(1.0 15.2)
1770E 1.60E-08(1.0 8.5)	1772E 1.59E-08(1.0 7.6)	1774E 1.54E-08(1.0 7.8)	1776E 1.47E-08(1.0 7.6)
1780E 1.43E-08(1.0 8.4)	1782E 1.41E-08(1.0 7.6)	1784E 1.43E-08(1.0 7.0)	1786E 1.47E-08(1.0 12.3)
1790E 1.46E-08(1.0 11.5)	1792E 1.41E-08(1.0 7.4)	1794E 1.37E-08(1.0 15.5)	1796E 1.38E-08(1.0 14.3)
1800E 1.44E-08(1.0 9.8)	1802E 1.44E-08(1.0 8.4)	1804E 1.43E-08(1.0 6.1)	1806E 1.43E-08(1.0 4.3)
1810E 1.38E-08(1.0 4.6)	1812E 1.36E-08(1.0 8.8)	1814E 1.40E-08(1.0 11.0)	1816E 1.46E-08(1.0 11.8)
1820E 1.53E-08(1.0 6.3)	1822E 1.54E-08(1.0 4.5)	1824E 1.51E-08(1.0 5.6)	1826E 1.47E-08(1.0 5.6)
1800E 1.44E-08(1.0 9.8)	1805E 1.43E-08(1.0 5.2)	1810E 1.38E-08(1.0 4.8)	1815E 1.44E-08(1.0 11.8)
1825E 1.50E-08(1.0 7.3)	1830E 1.44E-08(1.0 7.6)	1835E 1.35E-08(1.0 7.2)	1840E 1.23E-08(1.0 9.9)
1850E 1.24E-08(1.0 15.6)	1855E 1.25E-08(1.0 9.9)	1860E 1.22E-08(1.0 13.6)	1865E 1.19E-08(1.0 13.4)
1875E 1.12E-08(1.0 21.3)	1880E 1.09E-08(1.0 19.8)	1885E 1.13E-08(1.0 3.2)	1890E 1.10E-08(1.0 4.8)
1900E 1.11E-08(1.0 25.1)	1905E 9.87E-09(1.0 17.8)	1910E 9.40E-09(1.0 13.5)	1915E 9.10E-09(1.0 12.5)
1925E 8.60E-09(1.0 20.0)	1930E 9.40E-09(1.0 19.5)	1935E 9.79E-09(1.0 24.1)	1940E 9.25E-09(1.0 26.3)
1950E 8.34E-09(1.0 20.4)	1955E 7.95E-09(1.0 22.0)	1960E 7.35E-09(1.0 23.7)	1965E 7.37E-09(1.0 25.8)
1975E 7.59E-09(1.0 16.3)	1980E 7.60E-09(1.0 16.4)	1985E 7.65E-09(1.0 20.2)	1990E 7.19E-09(1.0 15.4)
2000E 6.51E-09(1.0 10.2)	2005E 6.35E-09(1.0 13.7)	2010E 6.19E-09(1.0 16.9)	2015E 6.41E-09(1.0 21.0)
2025E 6.83E-09(1.0 22.5)	2030E 6.55E-09(1.0 24.7)	2035E 6.28E-09(1.0 25.5)	2040E 5.86E-09(1.0 22.2)
2050E 6.17E-09(1.0 20.1)	2055E 6.39E-09(1.0 20.1)	2060E 6.42E-09(1.0 25.8)	2065E 6.72E-09(1.0 24.9)
2075E 6.47E-09(1.0 23.3)	2080E 5.80E-09(1.0 27.0)	2085E 5.71E-09(1.0 21.9)	2090E 5.97E-09(1.0 24.3)
2100E 5.62E-09(1.0 8.6)	2105E 5.38E-09(1.0 6.3)	2110E 5.19E-09(1.0 7.9)	2115E 5.04E-09(1.0 10.2)
2125E 4.90E-09(1.0 16.2)	2130E 4.86E-09(1.0 14.3)	2135E 5.05E-09(1.0 7.7)	2140E 5.36E-09(1.0 5.3)
2150E 4.92E-09(1.0 16.3)	2155E 4.87E-09(1.0 24.7)	2160E 5.60E-09(1.0 26.1)	2165E 6.62E-09(1.0 22.8)
2175E 5.91E-09(1.0 4.5)	2180E 5.47E-09(1.0 2.0)	2185E 5.38E-09(1.0 5.5)	2190E 5.25E-09(1.0 7.4)
2200E 4.70E-09(1.0 17.6)	2205E 4.79E-09(1.0 13.2)	2210E 4.87E-09(1.0 9.2)	2215E 4.85E-09(1.0 8.8)
2225E 4.34E-09(1.0 6.6)	2230E 3.94E-09(1.0 4.4)	2235E 3.73E-09(1.0 10.2)	2240E 3.69E-09(1.0 14.8)
2250E 3.65E-09(1.0 5.3)	2255E 3.57E-09(1.0 4.4)	2260E 3.54E-09(1.0 5.3)	2265E 3.67E-09(1.0 2.2)
2275E 4.07E-09(1.0 9.6)	2280E 3.98E-09(1.0 10.7)	2285E 3.66E-09(1.0 7.2)	2290E 3.28E-09(1.0 1.7)
135, -2.23(2.6 13.8)	139, -1.75(2.5 8.5)	148, -1.86(2.4 3.3)	154, -1.36(2.3 7.2)
166E, -1.47(1.4 11.1)	172E, -1.52(1.0 8.9)	181E, -1.48(1.6 8.6)	192E, -1.03(1.5 17.5)
219E, -28(1.4 4.4)	245, 0.00(0.0 0.0)	280, 0.00(0.0 0.0)	360, 0.00(0.0 0.0)
X,Y(MM), -2.5 -2.2 SL3-264	20 SCANS, T= 236	ZET ORI	WT 1.0, SCALE 1.08
X,Y(MM), -2.5 -2.2 SL3-265	19 SCANS, T= 80	ZET ORI	WT 1.0, SCALE .99
X,Y(MM), -2.5 -2.2 SL3-266	19 SCANS, T= 30	ZET ORI	WT 1.0, SCALE .97



R = 1.78+-





HD 42216

HD 42216

HD 42216

-AMBDA, F ( WT, SIG) F = AVE FLUX FROM LAM-DEL/2 TO LAM+DEL/2  
 17700 3.54E-11(.1 0.0) 17720 3.53E-11(.1 0.0) 17740 3.81E-11(.2 0.0) 17760 3.85E-11(.2 0.0) 17780 3.51E-11(.1 0.0)  
 17800 3.27E-11(.1 0.0) 17820 3.61E-11(.2 0.0) 17840 4.26E-11(.2 0.0) 17860 4.98E-11(.3 0.0) 17880 5.40E-11(.4 0.0)  
 1790 5.42E-11(.4 0.0) 1792 5.01E-11(.3 0.0) 17940 4.56E-11(.3 0.0) 17960 4.37E-11(.3 0.0) 17980 4.52E-11(.3 0.0)  
 1800 4.71E-11(.3 0.0) 18020 4.37E-11(.3 0.0) 18040 4.10E-11(.3 0.0) 18060 4.21E-11(.3 0.0) 18080 4.47E-11(.3 0.0)  
 1810 4.16E-11(.3 0.0) 18120 3.70E-11(.3 0.0) 18140 3.62E-11(.2 -0.0) 18160 4.05E-11(.3 0.0) 18180 4.63E-11(.3 0.0)  
 1820 4.87E-11(.4 0.0) 1822 4.73E-11(.4 0.0) 1824 4.47E-11(.4 0.0) 1826 4.13E-11(.4 0.0) 1828 0.0 (0.0 0.0)  
 18000 4.58E-11(.3 0.0) 18050 4.19E-11(.3 0.0) 18100 4.13E-11(.3 0.0) 18150 3.87E-11(.3 0.0) 1820 4.78E-11(.3 0.0)  
 1825 4.30E-11(.3 0.0) 18300 3.83E-11(.3 0.0) 18350 4.25E-11(.3 0.0) 1840 4.59E-11(.4 0.0) 1845 4.16E-11(.4 0.0)  
 1850 4.16E-11(.3 0.0) 1855 3.99E-11(.4 0.0) 1860 3.77E-11(.4 0.0) 1865 3.74E-11(.4 0.0) 1870 3.95E-11(.3 0.0)  
 18750 2.94E-11(.3 0.0) 18800 3.39E-11(.3 0.0) 1885 4.24E-11(.4 0.0) 1890 3.91E-11(.4 0.0) 1895 3.63E-11(.5 0.0)  
 1900 4.48E-11(.5 0.0) 1905 3.94E-11(.5 0.0) 1910 3.53E-11(.5 0.0) 1915 4.05E-11(.5 0.0) 1920 4.49E-11(.6 0.0)  
 1925 4.38E-11(.6 0.0) 1930 4.16E-11(.5 0.0) 1935 3.87E-11(.4 0.0) 1940 2.70E-11(.3 0.0) 1945 1.72E-11(.2 0.0)  
 19500 2.13E-11(.2 0.0) 19550 2.55E-11(.2 0.0) 19600 2.69E-11(.3 0.0) 1965 3.17E-11(.4 0.0) 1970 3.41E-11(.4 0.0)  
 1975 2.24E-11(.4 0.0) 1980 3.10E-11(.4 0.0) 19850 2.53E-11(.3 0.0) 19900 2.03E-11(.3 0.0) 1995 2.52E-11(.3 0.0)  
 2000 2.93E-11(.4 0.0) 2005 2.66E-11(.4 0.0) 2010 2.50E-11(.4 0.0) 2015 2.30E-11(.4 0.0) 2020 2.39E-11(.4 0.0)  
 2025 2.46E-11(.5 0.0) 2030 3.10E-11(.6 0.0) 2035 3.52E-11(.7 0.0) 2040 3.55E-11(.7 0.0) 2045 3.36E-11(.7 0.0)  
 2050 3.17E-11(.7 0.0) 2055 3.04E-11(.7 0.0) 2060 3.09E-11(.7 0.0) 2065 3.20E-11(.7 0.0) 2070 3.20E-11(.7 0.0)  
 2075 2.95E-11(.7 0.0) 2080 2.82E-11(.7 0.0) 2085 2.89E-11(.7 0.0) 2090 2.82E-11(.7 0.0) 2095 2.77E-11(.7 0.0)  
 2100 2.78E-11(.7 0.0) 2105 2.78E-11(.7 0.0) 2110 2.89E-11(.7 0.0) 2115 2.86E-11(.7 0.0) 2120 2.70E-11(.7 0.0)  
 2125 2.64E-11(.7 0.0) 2130 2.63E-11(.7 0.0) 2135 2.58E-11(.7 0.0) 2140 2.37E-11(.7 0.0) 2145 2.32E-11(.7 0.0)  
 2150 2.57E-11(.7 0.0) 2155 2.72E-11(.7 0.0) 2160 2.67E-11(.7 0.0) 2165 2.60E-11(.7 0.0) 2170 2.52E-11(.7 0.0)  
 2175 2.40E-11(.7 0.0) 2180 2.28E-11(.7 0.0) 2185 2.25E-11(.7 0.0) 2190 2.30E-11(.7 0.0) 2195 2.39E-11(.7 0.0)  
 2200 2.46E-11(.7 0.0) 2205 2.41E-11(.7 0.0) 2210 2.28E-11(.7 0.0) 2215 2.19E-11(.7 0.0) 2220 2.15E-11(.7 0.0)  
 2225 2.12E-11(.7 0.0) 2230 2.17E-11(.7 0.0) 2235 2.33E-11(.7 0.0) 2240 2.44E-11(.7 0.0) 2245 2.43E-11(.7 0.0)  
 2250 2.32E-11(.7 0.0) 2255 2.20E-11(.7 0.0) 2260 2.12E-11(.7 0.0) 2265 2.08E-11(.7 0.0) 2270 2.05E-11(.7 0.0)  
 2275 1.98E-11(.7 0.0) 2280 1.94E-11(.7 0.0) 2285 1.98E-11(.7 0.0) 2290 2.01E-11(.7 0.0) 2295 1.96E-11(.7 0.0)  
 2300 1.84E-11(.7 0.0) 2305 1.74E-11(.7 0.0) 2310 1.72E-11(.7 0.0) 2315 1.76E-11(.7 0.0) 2320 1.71E-11(.7 0.0)  
 2300 1.84E-11(.7 0.0) 2310 1.73E-11(.7 0.0) 2320 1.84E-11(.7 0.0) 2330 1.86E-11(.7 0.0) 2340 1.71E-11(.7 0.0)  
 2350 1.79E-11(.7 0.0) 2360 1.82E-11(.7 0.0) 2370 1.80E-11(.7 0.0) 2380 1.98E-11(.7 0.0) 2390 2.01E-11(.7 0.0)  
 2400 1.81E-11(.7 0.0) 2410 1.75E-11(.7 0.0) 2420 1.91E-11(.7 0.0) 2430 1.96E-11(.7 0.0) 2440 1.81E-11(.7 0.0)  
 2450 1.72E-11(.7 0.0) 2460 1.80E-11(.7 0.0) 2470 1.84E-11(.7 0.0) 2480 1.80E-11(.7 0.0) 2490 1.74E-11(.7 0.0)  
 2500 1.75E-11(.7 0.0) 2510 1.80E-11(.7 0.0) 2520 1.78E-11(.7 0.0) 2530 1.70E-11(.7 0.0) 2540 1.65E-11(.7 0.0)  
 2550 1.69E-11(.7 0.0) 2560 1.78E-11(.7 0.0) 2570 1.77E-11(.7 0.0) 2580 1.71E-11(.7 0.0) 2590 1.67E-11(.7 0.0)  
 2600 1.67E-11(.7 0.0) 2610 1.75E-11(.7 0.0) 2620 1.85E-11(.7 0.0) 2630 1.84E-11(.7 0.0) 2640 1.74E-11(.7 0.0)  
 2650 1.69E-11(.7 0.0) 2660 1.69E-11(.7 0.0) 2670 1.71E-11(.7 0.0) 2680 1.73E-11(.7 0.0) 2690 1.75E-11(.7 0.0)  
 2700 1.74E-11(.7 0.0) 2710 1.70E-11(.7 0.0) 2720 1.66E-11(.7 0.0) 2730 1.63E-11(.7 0.0) 2740 1.64E-11(.7 0.0)  
 2750 1.65E-11(.7 0.0) 2760 1.64E-11(.7 0.0) 2770 1.59E-11(.7 0.0) 2780 1.57E-11(.7 0.0) 2790 1.58E-11(.7 0.0)  
 2800 1.62E-11(.7 0.0) 2810 1.68E-11(.7 0.0) 2820 1.74E-11(.7 0.0) 2830 1.77E-11(.7 0.0) 2840 1.75E-11(.7 0.0)  
 2850 1.74E-11(.7 0.0) 2860 1.73E-11(.7 0.0) 2870 1.73E-11(.7 0.0) 2880 1.71E-11(.7 0.0) 2890 1.67E-11(.7 0.0)  
 2900 1.63E-11(.7 0.0) 2910 1.58E-11(.7 0.0) 2920 1.52E-11(.7 0.0) 2930 1.47E-11(.7 0.0) 2940 1.44E-11(.7 0.0)  
 2950 1.45E-11(.7 0.0) 2960 1.51E-11(.7 0.0) 2970 1.60E-11(.7 0.0) 2980 1.66E-11(.7 0.0) 2990 1.66E-11(.7 0.0)  
 3000 1.60E-11(.7 0.0) 3010 1.56E-11(.7 0.0) 3020 1.57E-11(.7 0.0) 3030 1.61E-11(.7 0.0) 3040 1.61E-11(.7 0.0)  
 3000 1.61E-11(.7 0.0) 3020 1.57E-11(.7 0.0) 3040 1.67E-11(.6 0.0) 3060 1.71E-11(.6 0.0) 3080 1.70E-11(.6 0.0)  
 3100 1.69E-11(.6 0.0) 3120 1.67E-11(.6 0.0) 3140 1.64E-11(.6 0.0) 3160 1.61E-11(.6 0.0) 3180 1.59E-11(.6 0.0)  
 3200 1.61E-11(.6 0.0) 3220 1.65E-11(.6 0.0) 3240 1.67E-11(.6 0.0) 3260 1.64E-11(.6 0.0) 3280 1.60E-11(.6 0.0)  
 3300 1.52E-11(.6 0.0) 3320 1.40E-11(.6 0.0) 3340 1.30E-11(.6 0.0) 3360 1.27E-11(.6 0.0) 3380 1.25E-11(.6 0.0)  
 3400 1.22E-11(.6 0.0) 3420 1.23E-11(.6 0.0) 3440 1.25E-11(.6 0.0) 3460 1.23E-11(.6 0.0) 3480 1.18E-11(.6 0.0)  
 3500 1.14E-11(.7 0.0) 3520 1.11E-11(.7 0.0) 3540 1.07E-11(.7 0.0) 3560 1.06E-11(.7 0.0) 3580 1.07E-11(.7 0.0)  
 3600 1.10E-11(.6 0.0) 3620 1.11E-11(.6 0.0) 3640 1.12E-11(.6 0.0) 3660 1.14E-11(.6 0.0) 3680 1.17E-11(.6 0.0)  
 3700 1.19E-11(.6 0.0) 3720 1.18E-11(.6 0.0) 3740 1.16E-11(.6 0.0) 3760 1.13E-11(.6 0.0) 3780 1.10E-11(.6 0.0)  
 380 1.09E-11(.6 0.0) 3820 1.09E-11(.6 0.0) 3840 1.10E-11(.6 0.0) 3860 1.10E-11(.6 0.0) 3880 1.09E-11(.7 0.0)  
 3900 1.06E-11(.7 0.0) 3920 1.03E-11(.7 0.0) 3940 1.01E-11(.7 0.0) 3960 9.86E-12(.7 0.0) 3980 9.78E-12(.7 0.0)  
 4000 9.78E-12(.7 0.0) 4020 9.72E-12(.7 0.0) 4040 9.62E-12(.7 0.0) 4060 9.59E-12(.7 0.0) 4080 9.60E-12(.7 0.0)  
 4100 9.73E-12(.7 0.0) 4120 9.92E-12(.7 0.0) 4140 1.03E-11(.7 0.0) 4160 1.07E-11(.7 0.0) 4180 1.10E-11(.7 0.0)  
 135 0.00(0.0 0.0) 139 0.00(0.0 0.0) 148 0.00(0.0 0.0) 154 0.00(0.0 0.0) 161 0.00(0.0 0.0)  
 166 0.00(0.0 0.0) 172 0.00(0.0 0.0) 1810 4.83E-13(3 0.0) 192 5.04E-14(4 0.0) 204 5.26E-14(4 0.0)  
 219 5.46E-14(7 0.0) 245 5.76E-14(7 0.0) 280 5.85E-14(7 0.0) 360 6.12E-14(6 0.0) 0 0.00(0.0 0.0)

X,Y(MM) 1.6 -8.9 SL4- 60 19 SCANS, T= 249 HD 42216 WT .7, SCALE 1.00

R = &lt;0.74&gt;

HD 42933

DEL PIC

HD 42933

LAMBDA, F (WT, SIG) F = AVE FLUX FROM LAM-DEL/2 TO LAM-DEL/2

1380, 1.17E-09(.4 0.0)	1382, 1.28E-09(.4 0.0)	1384, 1.12E-09(.4 0.0)	1386, 1.22E-09(.4 0.0)	1388, 1.04E-09(.4 0.0)
1390, 1.01E-09(.4 0.0)	1392, 9.87E-10(.4 0.0)	1394, 9.03E-10(.4 0.0)	1396, 9.03E-10(.4 0.0)	1398, 8.75E-10(.3 0.0)
1400, 5.21E-10(.3 0.0)	1402, 5.32E-10(.3 0.0)	1404, 9.52E-10(.4 0.0)	1406, 9.17E-10(.5 0.0)	1408, 9.24E-10(.6 0.0)
1410, 1.10E-09(.6 0.0)	1412, 1.15E-09(.6 0.0)	1414, 9.52E-10(.6 0.0)	1416, 9.45E-10(.6 0.0)	1418, 1.25E-09(.6 0.0)
1420, 1.17E-09(.6 0.0)	1422, 1.16E-09(.6 0.0)	1424, 1.05E-09(.6 0.0)	1426, 9.52E-10(.6 0.0)	1428, 1.13E-09(.6 0.0)
1430, 1.29E-09(.6 0.0)	1432, 1.22E-09(.6 0.0)	1434, 1.13E-09(.6 0.0)	1436, 1.19E-09(.6 0.0)	1438, 1.24E-09(.6 0.0)
1440, 1.32E-09(.6 0.0)	1442, 1.45E-09(.6 0.0)	1444, 1.28E-09(.6 0.0)	1446, 1.33E-09(.6 0.0)	1448, 1.40E-09(.6 0.0)
1450, 1.39E-09(.6 0.0)	1452, 1.37E-09(.6 0.0)	1454, 1.17E-09(.6 0.0)	1456, 1.35E-09(.6 0.0)	1458, 1.46E-09(.6 0.0)
1460, 1.41E-09(.6 0.0)	1462, 1.50E-09(.6 0.0)	1464, 1.33E-09(.6 0.0)	1466, 1.22E-09(.6 0.0)	1468, 1.28E-09(.6 0.0)
1470, 1.40E-09(.6 0.0)	1472, 1.33E-09(.6 0.0)	1474, 1.25E-09(.6 0.0)	1476, 1.32E-09(.6 0.0)	1478, 1.23E-09(.6 0.0)
1480, 1.36E-09(.6 0.0)	1482, 1.20E-09(.6 0.0)	1484, 1.30E-09(.6 0.0)	1486, 1.23E-09(.6 0.0)	1488, 1.29E-09(.6 0.0)
1490, 1.44E-09(.6 0.0)	1492, 1.19E-09(.6 0.0)	1494, 1.07E-09(.6 0.0)	1496, 1.15E-09(.6 0.0)	1498, 1.16E-09(.6 0.0)
1500, 1.20E-09(.6 0.0)	1502, 1.13E-09(.6 0.0)	1504, 1.34E-09(.6 0.0)	1506, 1.19E-09(.6 0.0)	1508, 1.15E-09(.6 0.0)
1510, 1.11E-09(.6 0.0)	1512, 1.17E-09(.6 0.0)	1514, 1.07E-09(.6 0.0)	1516, 1.14E-09(.6 0.0)	1518, 1.18E-09(.6 0.0)
1520, 1.14E-09(.6 0.0)	1522, 1.13E-09(.6 0.0)	1524, 9.92E-10(.6 0.0)	1526, 9.51E-10(.6 0.0)	1528, 8.80E-10(.6 0.0)
1530, 9.68E-10(.6 0.0)	1532, 9.39E-10(.6 0.0)	1534, 9.56E-10(.6 0.0)	1536, 9.45E-10(.6 0.0)	1538, 8.79E-10(.6 0.0)
1540, 9.42E-10(.6 0.0)	1542, 8.65E-10(.6 0.0)	1544, 8.45E-10(.6 0.0)	1546, 7.84E-10(.6 0.0)	1548, 5.76E-10(.6 0.0)
1550, 5.36E-10(.6 0.0)	1552, 7.87E-10(.5 0.0)	1554, 9.60E-10(.6 0.0)	1556, 9.68E-10(.6 0.0)	1558, 8.95E-10(.5 0.0)
1560, 8.98E-10(.5 0.0)	1562, 8.70E-10(.5 0.0)	1564, 8.33E-10(.5 0.0)	1566, 8.20E-10(.5 0.0)	1568, 8.50E-10(.5 0.0)
1570, 8.62E-10(.5 0.0)	1572, 9.35E-10(.5 0.0)	1574, 9.76E-10(.4 0.0)	1576, 9.40E-10(.4 0.0)	1578, 9.13E-10(.4 0.0)
1580, 9.71E-10(.4 0.0)	1582, 1.00E-09(.4 0.0)	1584, 9.23E-10(.4 0.0)	1586, 9.58E-10(.4 0.0)	1588, 9.72E-10(.4 0.0)
1590, 9.36E-10(.4 0.0)	1592, 9.03E-10(.4 0.0)	1594, 8.54E-10(.4 0.0)	1596, 7.63E-10(.4 0.0)	1598, 8.19E-10(.3 0.0)
1600, 8.75E-10(.3 0.0)	1602, 1.08E-09(.3 0.0)	1604, 1.08E-09(.3 0.0)	1606, 1.11E-09(.3 0.0)	1608, 1.03E-09(.3 0.0)

135, 0.00(0.0 0.0) 139, 1.51(.4 0.0) 148, 1.16(.6 0.0) 154, 1.53(.6 0.0) 0, 0.00(0.0 0.0)

0, 0.00(0.0 0.0) 0, 0.00(0.0 0.0) 0, 0.00(0.0 0.0) 0, 0.00(0.0 0.0) 0, 0.00(0.0 0.0)

0, 0.00(0.0 0.0) 0, 0.00(0.0 0.0) 0, 0.00(0.0 0.0) 0, 0.00(0.0 0.0) 0, 0.00(0.0 0.0)

X,Y(MM) -19.8 -4.7 SL4- 86 10 SCANS, T= 225: DEL PIC WT .6, SCALE 1.00

R = 1.32

HD 45057

HD 45057

HD 45057

LAMBDA, F (WT, SIG) F = AVE FLUX FROM LAM-DEL/2 TO LAM-DEL/2

1790U, 8.72E-11(.3 0.0)	1792, 9.55E-11(.4 0.0)	1794, 1.02E-11(.4 0.0)	1796, 9.68E-11(.4 0.0)	1798, 8.77E-11(.3 0.0)
1800U, 8.46E-11(.3 0.0)	1802, 8.50E-11(.3 0.0)	1804U, 8.42E-11(.3 0.0)	1806, 8.16E-11(.3 0.0)	1808U, 7.78E-11(.3 0.0)
1810U, 7.34E-11(.3 0.0)	1812U, 7.22E-11(.3 0.0)	1814U, 7.62E-11(.3 0.0)	1816U, 8.44E-11(.4 0.0)	1818, 9.20E-11(.4 0.0)
1820, 9.36E-11(.4 0.0)	1822, 8.76E-11(.4 0.0)	1824U, 8.22E-11(.4 0.0)	1826, 8.44E-11(.4 0.0)	0, 0.00(0.0 0.0)

1800U, 8.53E-11(.3 0.0) 1805U, 8.28E-11(.3 0.0) 1810U, 7.42E-11(.3 0.0) 1815, 8.04E-11(.4 0.0) 1820, 9.19E-11(.4 0.0)

1825, 8.40E-11(.4 0.0) 1830, 9.11E-11(.4 0.0) 1835, 7.76E-11(.4 0.0) 1840U, 6.68E-11(.4 0.0) 1845, 8.00E-11(.4 0.0)

1850, 8.62E-11(.4 0.0) 1855U, 6.41E-11(.4 0.0) 1860, 6.82E-11(.4 0.0) 1865, 7.93E-11(.4 0.0) 1870, 7.93E-11(.5 0.0)

1875, 8.75E-11(.5 0.0) 1880, 8.96E-11(.5 0.0) 1885, 9.97E-11(.5 0.0) 1890, 7.43E-11(.4 0.0) 1895, 6.80E-11(.4 0.0)

1900U, 6.24E-11(.4 0.0) 1905, 7.68E-11(.5 0.0) 1910, 8.95E-11(.7 0.0) 1915, 8.33E-11(.6 0.0) 1920, 8.00E-11(.6 0.0)

1925, 8.02E-11(.6 0.0) 1930, 8.06E-11(.6 0.0) 1935, 8.51E-11(.6 0.0) 1940, 9.01E-11(.7 0.0) 1945, 8.93E-11(.7 0.0)

1950, 8.36E-11(.7 0.0) 1955, 8.24E-11(.7 0.0) 1960, 8.08E-11(.7 0.0) 1965, 8.29E-11(.7 0.0) 1970, 7.76E-11(.6 0.0)

1975, 7.25E-11(.6 0.0) 1980, 7.90E-11(.7 0.0) 1985, 7.90E-11(.7 0.0) 1990, 7.98E-11(.7 0.0) 1995, 7.52E-11(.7 0.0)

2000, 6.89E-11(.6 0.0) 2005, 6.67E-11(.6 0.0) 2010, 6.95E-11(.7 0.0) 2015, 7.76E-11(.7 0.0) 2020, 7.90E-11(.7 0.0)

2025, 7.12E-11(.7 0.0) 2030, 6.74E-11(.7 0.0) 2035, 7.06E-11(.7 0.0) 2040, 6.83E-11(.7 0.0) 2045, 6.64E-11(.7 0.0)

2050, 7.12E-11(.7 0.0) 2055, 7.31E-11(.7 0.0) 2060, 7.10E-11(.7 0.0) 2065, 6.79E-11(.7 0.0) 2070, 6.43E-11(.7 0.0)

2075, 6.46E-11(.7 0.0) 2080, 6.34E-11(.7 0.0) 2085, 5.93E-11(.7 0.0) 2090, 5.83E-11(.7 0.0) 2095, 6.02E-11(.7 0.0)

2100, 6.41E-11(.7 0.0) 2105, 6.50E-11(.7 0.0) 2110, 6.28E-11(.7 0.0) 2115, 6.26E-11(.7 0.0) 2120, 6.40E-11(.7 0.0)

2125, 6.41E-11(.7 0.0) 2130, 6.38E-11(.7 0.0) 2135, 6.37E-11(.7 0.0) 2140, 6.36E-11(.7 0.0) 2145, 6.32E-11(.7 0.0)

2150, 6.29E-11(.7 0.0) 2155, 6.29E-11(.7 0.0) 2160, 6.38E-11(.7 0.0) 2165, 6.46E-11(.7 0.0) 2170, 6.48E-11(.7 0.0)

2175, 6.49E-11(.7 0.0) 2180, 6.34E-11(.7 0.0) 2185, 6.12E-11(.7 0.0) 2190, 6.13E-11(.7 0.0) 2195, 6.31E-11(.7 0.0)

2200, 6.37E-11(.7 0.0) 2205, 6.23E-11(.7 0.0) 2210, 6.11E-11(.7 0.0) 2215, 6.13E-11(.7 0.0) 2220, 6.04E-11(.7 0.0)

2225, 5.75E-11(.7 0.0) 2230, 5.52E-11(.7 0.0) 2235, 5.42E-11(.7 0.0) 2240, 5.39E-11(.7 0.0) 2245, 5.41E-11(.7 0.0)

2250, 5.42E-11(.7 0.0) 2255, 5.41E-11(.7 0.0) 2260, 5.34E-11(.7 0.0) 2265, 5.20E-11(.7 0.0) 2270, 4.98E-11(.7 0.0)

2275, 4.92E-11(.7 0.0) 2280, 5.06E-11(.7 0.0) 2285, 5.21E-11(.7 0.0) 2290, 5.14E-11(.7 0.0) 2295, 4.98E-11(.7 0.0)

2300, 4.99E-11(.7 0.0) 2305, 5.20E-11(.7 0.0) 2310, 5.32E-11(.7 0.0) 2315, 5.21E-11(.7 0.0) 0, 0.00(0.0 0.0)

2300, 5.02E-11(.7 0.0) 2310, 5.28E-11(.7 0.0) 2320, 4.99E-11(.7 0.0) 2330, 4.72E-11(.7 0.0) 2340, 4.90E-11(.7 0.0)

2350, 4.86E-11(.7 0.0) 2360, 4.61E-11(.7 0.0) 2370, 4.85E-11(.7 0.0) 2380, 4.99E-11(.7 0.0) 2390, 4.96E-11(.7 0.0)

2400, 4.78E-11(.7 0.0) 2410, 4.54E-11(.7 0.0) 2420, 4.38E-11(.7 0.0) 2430, 4.50E-11(.7 0.0) 2440, 4.61E-11(.7 0.0)

2450, 4.36E-11(.7 0.0) 2460, 4.09E-11(.7 0.0) 2470, 4.06E-11(.7 0.0) 2480, 4.08E-11(.7 0.0) 2490, 4.14E-11(.7 0.0)

2500, 4.15E-11(.7 0.0) 2510, 4.12E-11(.7 0.0) 2520, 4.18E-11(.7 0.0) 2530, 4.27E-11(.7 0.0) 2540, 4.31E-11(.7 0.0)

2550, 4.30E-11(.7 0.0) 2560, 4.19E-11(.7 0.0) 2570, 4.03E-11(.7 0.0) 2580, 4.00E-11(.7 0.0) 2590, 4.04E-11(.7 0.0)

2600, 4.00E-11(.7 0.0) 2610, 3.80E-11(.7 0.0) 2620, 3.59E-11(.7 0.0) 2630, 3.53E-11(.7 0.0) 2640, 3.56E-11(.7 0.0)

2650, 3.60E-11(.7 0.0) 2660, 3.62E-11(.7 0.0) 2670, 3.66E-11(.7 0.0) 2680, 3.61E-11(.7 0.0) 2690, 3.54E-11(.7 0.0)

2700, 3.53E-11(.7 0.0) 2710, 3.47E-11(.7 0.0) 2720, 3.32E-11(.7 0.0) 2730, 3.22E-11(.7 0.0) 2740, 3.23E-11(.7 0.0)

2750, 3.26E-11(.7 0.0) 2760, 3.23E-11(.7 0.0) 2770, 3.17E-11(.7 0.0) 2780, 3.11E-11(.7 0.0) 2795, 3.08E-11(.7 0.0)

2800, 3.07E-11(.7 0.0) 2810, 3.07E-11(.7 0.0) 2820, 3.08E-11(.7 0.0) 2830, 3.12E-11(.7 0.0) 2840, 3.11E-11(.7 0.0)

2850, 3.06E-11(.7 0.0) 2860, 3.01E-11(.7 0.0) 2870, 3.00E-11(.7 0.0) 2880, 2.99E-11(.7 0.0) 2890, 2.96E-11(.7 0.0)

2900, 3.00E-11(.7 0.0) 2910, 3.10E-11(.7 0.0) 2920, 3.13E-11(.7 0.0) 2930, 3.02E-11(.7 0.0) 2940, 2.83E-11(.7 0.0)

2950, 2.65E-11(.7 0.0) 2960, 2.54E-11(.7 0.0) 2970, 2.47E-11(.7 0.0) 2980, 2.40E-11(.7 0.0) 2990, 2.35E-11(.7 0.0)

3000, 2.34E-11(.7 0.0) 3010, 2.36E-11(.7 0.0) 3020, 2.39E-11(.7 0.0) 3030, 2.42E-11(.7 0.0) 0, 0.00(0.0 0.0)

3000, 2.34E-11(.7 0.0) 3020, 2.39E-11(.7 0.0) 3040, 2.45E-11(.7 0.0) 3060, 2.53E-11(.7 0.0) 3080, 2.59E-11(.7 0.0)

3100, 2.53E-11(.7 0.0) 3120, 2.42E-11(.7 0.0) 3140, 2.35E-11(.7 0.0) 3160, 2.33E-11(.7 0.0) 3180, 2.33E-11(.7 0.0)

3200, 2.30E-11(.7 0.0) 3220, 2.27E-11(.7 0.0) 3240, 2.26E-11(.7 0.0) 3260, 2.22E-11(.7 0.0) 3280, 2.17E-11(.7 0.0)

3300, 2.16E-11(.7 0.0) 3320, 2.16E-11(.7 0.0) 3340, 2.11E-11(.7 0.0) 3360, 2.08E-11(.7 0.0) 3380, 2.10E-11(.7 0.0)

3400, 2.12E-11(.7 0.0) 3420, 2.11E-11(.7 0.0) 3440, 2.00E-11(.7 0.0) 3460, 1.85E-11(.7 0.0) 3480, 1.69E-11(.7 0.0)

3500, 1.54E-11(.7 0.0) 3520, 1.46E-11(.7 0.0) 3540, 1.46E-11(.7 0.0) 3560, 1.48E-11(.7 0.0) 3580, 1.48E-11(.7 0.0)

3600, 1.48E-11(.7 0.0) 3620, 1.46E-11(.7 0.0) 3640, 1.45E-11(.7 0.0) 3660, 1.43E-11(.7 0.0) 3680, 1.38E-11(.7 0.0)

3700, 1.34E-11(.7 0.0) 3720, 1.34E-11(.7 0.0) 3740, 1.38E-11(.7 0.0) 3760, 1.43E-11(.7 0.0) 3780, 1.45E-11(.7 0.0)

3800, 1.45E-11(.7 0.0) 3820, 1.43E-11(.7 0.0) 3840, 1.42E-11(.7 0.0) 3860, 1.44E-11(.7 0.0) 3880, 1.50E-11(.7 0.0)

3900, 1.57E-11(.7 0.0) 3920, 1.64E-11(.7 0.0) 3940, 1.67E-11(.7 0.0) 3960, 1.66E-11(.7 0.0) 3980, 1.63E-11(.7 0.0)

4000, 1.60E-11(.7 0.0) 4020, 1.58E-11(.7 0.0) 4040, 1.57E-11(.7 0.0) 4060, 1.60E-11(.7 0.0) 4080, 1.63E-11(.7 0.0)

4100, 1.69E-11(.7 0.0) 4120, 1.74E-11(.7 0.0) 4140, 1.79E-11(.7 0.0) 4160, 1.84E-11(.7 0.0) 4180, 1.87E-11(.7 0.0)

135, 0.00(0.0 0.0) 139, 0.00(0.0 0.0) 148, 0.00(0.0 0.0) 154, 0.00(0.0 0.0) 161, 0.00(0.0 0.0)

169, 0.00(0.0 0.0) 172, 0.00(0.0 0.0) 181, 0.00(0.0 0.0) 192, 4.13(.6 0.0) 204, 4.29(.7 0.0)

219, 4.46(.7 0.0) 245, 4.78(.7 0.0) 280, 5.16(.7 0.0) 360, 5.71(.7 0.0) 0, 0.00(0.0 0.0)

X,Y(MM) -10.0 14.0 SL4- 86 15 SCANS, T= 225: HD 45057 WT .7, SCALE 1.20

R = 0.58



HD 45348

ALF CAR

HD 45348

LAMBDA, F (WT, SIG) F - AVE FLUX FROM LAM-DEL/2 TO LAM-DEL/2

1580U	5.70E-11	(.1 .0)	1582U	7.60E-11	(.1 .0)	1584U	9.13E-11	(.1 .0)	1586U	7.60E-11	(.1 .0)	1588U	9.20E-11	(.1 .0)
1590U	6.42E-11	(.1 .0)	1592U	6.99E-11	(.1 .0)	1594U	7.50E-11	(.1 .0)	1596U	1.01E-10	(.1 .0)	1598U	9.67E-11	(.1 .0)
1600U	5.97E-11	(.1 .0)	1602U	4.46E-11	(.1 .0)	1604U	8.93E-11	(.1 .0)	1606U	1.23E-10	(.2 .0)	1608U	1.13E-10	(.3 .0)
1610U	1.30E-10	(.3 .0)	1612U	1.45E-10	(.3 .0)	1614U	1.44E-10	(.3 .0)	1616U	8.06E-11	(.1 .0)	1618U	3.53E-11	(.1 .0)
1620U	5.45E-11	(.1 .0)	1622U	9.84E-11	(.1 .0)	1624U	6.67E-11	(.1 .0)	1626U	3.53E-11	(.1 .0)	1628U	6.17E-11	(.1 .0)
1630U	8.73E-11	(.1 .0)	1632U	9.73E-11	(.2 .0)	1634U	1.27E-10	(.3 .0)	1636U	1.52E-10	(.4 .0)	1638U	1.11E-10	(.3 .0)
1640U	6.35E-11	(.2 .0)	1642U	6.47E-11	(.1 .0)	1644U	7.64E-11	(.1 .0)	1646U	9.04E-11	(.2 .0)	1648U	1.01E-10	(.2 .0)
1650U	9.67E-11	(.2 .0)	1652U	1.06E-10	(.3 .0)	1654U	1.45E-10	(.4 .0)	1656U	1.67E-10	(.6 .0)	1658U	1.40E-10	(.4 .0)
1660U	1.02E-10	(.3 .0)	1662U	6.59E-11	(.2 .0)	1664U	5.06E-11	(.1 .0)	1666U	6.99E-11	(.1 .0)	1668U	8.92E-11	(.2 .0)
1670U	9.30E-11	(.3 .0)	1672U	9.66E-11	(.3 .0)	1674U	9.32E-11	(.3 .0)	1676U	9.71E-11	(.3 .0)	1678U	1.12E-10	(.3 .0)
1680U	9.80E-11	(.3 .0)	1682U	1.04E-10	(.4 19.1)	1684U	1.48E-10	(.7 16.9)	1686U	1.84E-10	(.7 .6)	1688U	1.98E-10	(.7 11.7)
1690U	2.18E-10	(.7 19.6)	1692U	2.45E-10	(.7 19.1)	1694U	2.53E-10	(.8 12.8)	1696U	2.60E-10	(.8 14.1)	1698U	2.89E-10	(.8 16.1)
1700U	3.18E-10	(.8 10.3)	1702U	3.34E-10	(.9 5.9)	1704U	3.63E-10	(.9 7.7)	1706U	3.95E-10	(.9 8.5)	1708U	4.28E-10	(.9 1.2)
1710U	4.54E-10	(1.0 3.3)	1712U	4.80E-10	(1.0 4.3)	1714U	5.08E-10	(1.0 9.6)	1716U	5.15E-10	(1.0 1.4)	1718U	5.49E-10	(1.1 8.5)
1720U	5.84E-10	(1.1 11.7)	1722U	5.89E-10	(1.1 7.7)	1724U	5.55E-10	(1.1 6.9)	1726U	5.39E-10	(1.2 12.3)	1728U	5.52E-10	(1.2 11.3)
1730U	5.96E-10	(1.2 6.0)	1732U	6.24E-10	(1.2 3.7)	1734U	6.31E-10	(1.2 3.3)	1736U	6.65E-10	(1.2 6.1)	1738U	6.73E-10	(1.2 5.9)
1740U	6.47E-10	(1.2 2.4)	1742U	6.29E-10	(1.2 2.1)	1744U	6.24E-10	(1.2 4.4)	1746U	6.51E-10	(1.2 1.7)	1748U	6.92E-10	(1.2 7.5)
1750U	7.10E-10	(1.2 5.5)	1752U	7.00E-10	(1.2 .7)	1754U	7.30E-10	(1.1 6.1)	1756U	7.97E-10	(1.1 3.6)	1758U	8.18E-10	(1.1 4.2)
1760U	8.29E-10	(1.0 3.9)	1762U	8.26E-10	(1.0 4.7)	1764U	8.60E-10	(1.0 12.6)	1766U	8.08E-10	(1.0 13.3)	1768U	7.27E-10	(1.0 7.4)
1770U	5.97E-10	(1.0 4.0)	1772U	5.44E-10	(1.0 12.8)	1774U	5.55E-10	(1.0 14.6)	1776U	5.91E-10	(.9 3.0)	1778U	7.72E-10	(.8 18.7)
1780U	7.59E-10	(.8 6.5)	1782U	8.61E-10	(.7 6.5)	1784U	8.84E-10	(.7 2.5)	1786U	8.69E-10	(.6 1.5)	1788U	8.35E-10	(.6 3.3)
1790U	8.13E-10	(.6 2.6)	1792U	8.37E-10	(.6 2.8)	1794U	9.01E-10	(.5 1.5)	1796U	9.80E-10	(.5 1.9)	1798U	1.00E-09	(.5 4.0)
1800U	9.79E-10	(.4 3.7)	1802U	9.59E-10	(.4 2.1)	1804U	9.67E-10	(.4 .6)	1806U	9.91E-10	(.4 .2)	1808U	1.01E-09	(.4 .5)
1810U	1.00E-09	(.4 .0)	1812U	9.63E-10	(.4 .0)	1814U	9.43E-10	(.4 .0)	1816U	9.45E-10	(.4 .0)	1818U	9.48E-10	(.4 .0)
1820U	9.37E-10	(.4 .0)	1822U	9.19E-10	(.4 .0)	1824U	8.72E-10	(.4 .0)	1826U	8.24E-10	(.4 .0)	0.0	0.0	(0.0 0.0)
1800U	9.93E-10	(.4 .0)	1805U	9.83E-10	(.4 .0)	1810U	9.93E-10	(.4 .0)	1815U	9.44E-10	(.4 .0)	1820U	9.31E-10	(.4 .0)
1825U	8.58E-10	(.4 .0)	1830U	8.85E-10	(.4 .0)	1835U	9.88E-10	(.4 .0)	1840U	9.24E-10	(.4 .0)	1845U	8.55E-10	(.4 .0)
1850U	7.93E-10	(.4 .0)	1855U	7.99E-10	(.4 .0)	1860U	8.78E-10	(.4 .0)	1865U	8.39E-10	(.4 .0)	1870U	7.55E-10	(.4 .0)
1875U	7.09E-10	(.4 .0)	1880U	8.91E-10	(.3 .0)	1885U	8.75E-10	(.3 .0)	1890U	8.79E-10	(.3 .0)	1895U	9.63E-10	(.3 .0)
1900U	9.81E-10	(.3 .0)	1905E	9.85E-10	(.3 .0)	1910U	9.56E-10	(.3 .0)	1915U	9.54E-10	(.3 .0)	1920E	9.71E-10	(.3 .0)
1925U	8.96E-10	(.3 .0)	1930U	9.00E-10	(.3 .0)	1935E	9.79E-10	(.3 .0)	1940E	1.00E-09	(.3 .0)	1945E	9.14E-10	(.3 .0)
1950E	9.18E-10	(.3 .0)	1955E	1.08E-09	(.2 .0)	1960E	1.04E-09	(.2 .0)	1965E	1.14E-09	(.2 .0)	1970E	1.14E-09	(.2 .0)
1975E	1.08E-09	(.2 .0)	1980E	1.05E-09	(.2 .0)	1985E	1.03E-09	(.2 .0)	1990E	9.84E-10	(.2 .0)	1995E	9.84E-10	(.2 .0)
2000E	1.05E-09	(.2 .0)	2005E	1.06E-09	(.2 .0)	2010E	1.01E-09	(.2 .0)	2015E	9.19E-10	(.2 .0)	2020E	8.55E-10	(.2 .0)
2025E	8.60E-10	(.2 .0)	2030E	8.91E-10	(.2 .0)	2035E	8.88E-10	(.2 .0)	2040E	8.36E-10	(.2 .0)	2045E	8.25E-10	(.2 .0)
135U	0.00(0.0 0.0)		139U	0.00(0.0 0.0)		148U	0.00(0.0 0.0)		154U	0.00(0.0 0.0)		161U	4.02(0.2 .0)	
166U	3.73(0.3 .0)		172U	2.04(1.1 18.1)		181U	1.55(0.5 .0)		192E	1.44(0.3 .0)		204U	0.00(0.0 0.0)	
219U	0.00(0.0 0.0)		245U	0.00(0.0 0.0)		280U	0.00(0.0 0.0)		360U	0.00(0.0 0.0)		0U	0.00(0.0 0.0)	

X,Y(MM) -5.4 17.2 SL4- 86 10 SCANS, T= 225: ALF CAR WT .6, SCALE 1.60

X,Y(MM) -5.4 17.2 SL4- 87 10 SCANS, T= 77: ALF CAR WT .6, SCALE .60

R = 1.05

LAMBDA F (WT, SIG)				F - AVE FLUX FROM LAM-DEL/2 TO LAM-DEL/2															
1700A	1.30E-10	4	0.0	1702U	1.17E-10	4	0.0	1704	1.26E-10	4	0.0	1706	1.29E-10	4	0.0	1708	1.19E-10	4	0.0
1710U	1.05E-10	4	0.0	1712U	1.01E-10	4	0.0	1714	1.07E-10	4	0.0	1716	1.12E-10	4	0.0	1718	1.09E-10	4	0.0
1720	1.10E-10	4	0.0	1722	1.15E-10	4	0.0	1724	1.12E-10	4	0.0	1726	1.04E-10	4	0.0	1728U	9.07E-11	3	0.0
1730U	8.99E-11	4	0.0	1732	1.05E-10	4	0.0	1734	1.14E-10	5	0.0	1736	1.14E-10	5	0.0	1738	1.06E-10	4	0.0
1740	1.03E-10	4	0.0	1742	1.06E-10	5	0.0	1744	1.05E-10	5	0.0	1746	9.95E-11	4	0.0	1748	9.72E-11	4	0.0
1750	1.00E-10	4	0.0	1752	1.01E-10	5	0.0	1754	9.98E-11	5	0.0	1756	9.96E-11	5	0.0	1758	9.96E-11	5	0.0
1760	9.31E-11	4	0.0	1762	8.55E-11	4	0.0	1764	7.95E-11	4	0.0	1766	7.87E-11	4	0.0	1768	8.16E-11	4	0.0
1770	8.14E-11	4	0.0	1772	7.98E-11	4	0.0	1774	7.32E-11	4	0.0	1776	7.16E-11	4	0.0	1778	7.10E-11	4	0.0
1780	7.05E-11	4	0.0	1782U	6.86E-11	4	0.0	1784	6.45E-11	3	0.0	1786U	6.25E-11	3	0.0	1788U	5.95E-11	3	0.0
1790U	5.71E-11	3	0.0	1792U	5.50E-11	3	0.0	1794U	5.19E-11	2	0.0	1796U	5.14E-11	2	0.0	1798U	5.01E-11	2	0.0
1800U	5.46E-11	3	0.0	1802U	5.92E-11	3	0.0	1804	6.15E-11	3	0.0	1806U	5.70E-11	3	0.0	1808U	5.11E-11	3	0.0
1810U	5.03E-11	3	0.0	1812	5.75E-11	4	0.0	1814	6.83E-11	5	0.0	1816	7.00E-11	5	0.0	1818	6.32E-11	4	0.0
1820U	5.80E-11	4	0.0	1822	6.17E-11	4	0.0	1824	6.97E-11	5	0.0	1826	7.48E-11	5	0.0	0	0	0	0
1800U	5.45E-11	3	0.0	1805	5.88E-11	3	0.0	1810U	5.21E-11	4	0.0	1815	6.81E-11	4	0.0	1820	6.01E-11	5	0.0
1825	7.18E-11	5	0.0	1830	7.54E-11	6	0.0	1835	7.59E-11	5	0.0	1840	6.19E-11	5	0.0	1845	6.59E-11	6	0.0
1850	7.88E-11	7	0.0	1855	8.21E-11	7	0.0	1860	7.92E-11	7	0.0	1865	6.87E-11	7	0.0	1870	6.62E-11	6	0.0
1875	6.30E-11	6	0.0	1880	6.11E-11	6	0.0	1885	6.58E-11	7	0.0	1890	5.76E-11	6	0.0	1895	5.89E-11	6	0.0
1900	6.16E-11	6	0.0	1905	5.70E-11	5	0.0	1910	5.05E-11	5	0.0	1915	5.48E-11	5	0.0	1920	5.93E-11	7	0.0
1925	5.64E-11	6	0.0	1930	5.85E-11	6	0.0	1935	5.73E-11	6	0.0	1940	5.63E-11	6	0.0	1945	5.92E-11	7	0.0
1950	6.39E-11	7	0.0	1955	6.86E-11	7	0.0	1960	6.58E-11	7	0.0	1965	6.32E-11	7	0.0	1970	6.46E-11	7	0.0
1975	6.44E-11	7	0.0	1980	6.98E-11	7	0.0	1985	6.98E-11	7	0.0	1990	6.53E-11	7	0.0	1995	6.91E-11	7	0.0
2000	6.07E-11	7	0.0	2005	6.43E-11	7	0.0	2010	5.87E-11	7	0.0	2015	5.5						

X,Y(MM) 2.2 -14.3 SL4- 62 20 SCANS, T= 252 HD 45789 WT .7, SCALE 1.00

$$R = 0.89:$$

HD 45995

HR 2370

HD 45995

LAMBDA, F (WT, SIG)

F = AVE FLUX FROM LAM-DEL/2 TO LAM+DEL/2

1590, 1.63E-10( 6 0.0)	1592, 1.64E-10( 6 0.0)	1594, 1.79E-10( 6 0.0)	1596, 1.68E-10( 6 0.0)	1598, 1.40E-10( 5 0.0)
1600, 1.33E-10( 4 0.0)	1602, 1.39E-10( 5 0.0)	1604, 1.57E-10( 6 0.0)	1606, 1.50E-10( 6 0.0)	1608, 1.30E-10( 5 0.0)
1610, 1.53E-10( 6 0.0)	1612, 1.53E-10( 6 0.0)	1614, 1.26E-10( 5 0.0)	1616, 1.15E-10( 4 0.0)	1618U, 1.10E-10( 4 0.0)
1620, 1.24E-10( 5 0.0)	1622, 1.58E-10( 6 0.0)	1624, 1.91E-10( 6 0.0)	1626, 1.99E-10( 6 0.0)	1628, 1.98E-10( 6 0.0)
1630, 1.94E-10( 6 0.0)	1632, 1.82E-10( 6 0.0)	1634, 2.01E-10( 6 0.0)	1636, 2.43E-10( 6 0.0)	1638, 2.61E-10( 6 0.0)
1640, 2.59E-10( 6 0.0)	1642, 2.37E-10( 6 0.0)	1644, 2.39E-10( 6 0.0)	1646, 2.48E-10( 6 0.0)	1648, 2.07E-10( 6 0.0)
1650, 1.76E-10( 6 0.0)	1652, 1.92E-10( 6 0.0)	1654, 1.99E-10( 6 0.0)	1656, 2.01E-10( 6 0.0)	1658, 2.21E-10( 6 0.0)
1660, 2.20E-10( 6 0.0)	1662, 2.11E-10( 6 0.0)	1664, 2.03E-10( 6 12.4)	1666, 2.08E-10( 7 16.5)	1668L, 2.48E-10( 7 8.6)
1670L, 2.92E-10( 7 4.1)	1672L, 3.18E-10( 6 4.8)	1674L, 2.99E-10( 6 7.5)	1676L, 2.53E-10( 7 10.2)	1678L, 2.36E-10( 7 7.0)
1680L, 2.44E-10( 6 5.6)	1682L, 2.66E-10( 6 7.8)	1684L, 2.78E-10( 7 6.3)	1686L, 2.67E-10( 7 12.2)	1688L, 2.67E-10( 6 17.4)
1690L, 2.81E-10( 6 14.9)	1692L, 2.91E-10( 7 11.7)	1694L, 2.77E-10( 6 10.5)	1696L, 2.55E-10( 6 11.9)	1698L, 2.47E-10( 6 7.9)
1700L, 2.61E-10( 7 6.3)	1702L, 2.60E-10( 7 14.8)	1704L, 2.42E-10( 6 10.2)	1706L, 2.41E-10( 6 1.3)	1708L, 2.77E-10( 7 1.2)
1710L, 2.79E-10( 7 3.7)	1712L, 2.55E-10( 6 0.0)	1714L, 2.34E-10( 6 7.2)	1716L, 2.42E-10( 6 10.5)	1718L, 2.57E-10( 6 8.1)
1720L, 2.67E-10( 6 7.7)	1722L, 2.59E-10( 6 4.9)	1724L, 2.23E-10( 5 2.6)	1726L, 2.12E-10( 5 8.7)	1728L, 2.25E-10( 6 6.5)
1730L, 2.30E-10( 5 4.6)	1732L, 2.31E-10( 5 4.6)	1734L, 2.42E-10( 5 7.6)	1736L, 2.57E-10( 5 11.4)	1738L, 2.66E-10( 5 7.5)
1740L, 2.47E-10( 5 5.6)	1742L, 2.23E-10( 5 8.8)	1744L, 2.14E-10( 5 5.5)	1746L, 2.16E-10( 5 6.2)	1748L, 2.22E-10( 5 13.0)
1750L, 2.23E-10( 5 6.8)	1752L, 2.14E-10( 5 6.4)	1754L, 2.05E-10( 4 15.9)	1756L, 2.02E-10( 4 15.1)	1758L, 2.02E-10( 4 11.1)
1760L, 2.08E-10( 4 9.8)	1762L, 2.26E-10( 4 5.1)	1764L, 2.43E-10( 4 1.7)	1766L, 2.49E-10( 4 2.9)	1768L, 2.52E-10( 4 1.4)
1770L, 2.52E-10( 4 3.3)	1772L, 2.28E-10( 4 10.2)	1774L, 2.03E-10( 3 22.2)	1776L, 1.98E-10( 5 24.9)	1778L, 1.98E-10( 6 20.2)
1780L, 1.88E-10( 8 14.2)	1782L, 1.75E-10( 10 8.4)	1784, 1.60E-10( 12 7.6)	1786, 1.51E-10( 11 8.8)	1788, 1.47E-10( 11 7.9)
1790, 1.48E-10( 11 8.8)	1792, 1.53E-10( 11 11.7)	1794, 1.58E-10( 11 12.4)	1796, 1.57E-10( 12 9.2)	1798, 1.45E-10( 11 8.2)
1800, 1.43E-10( 11 11.5)	1802, 1.40E-10( 11 12.0)	1804, 1.43E-10( 12 8.4)	1806, 1.50E-10( 12 7.5)	1808, 1.55E-10( 12 9.2)
1810, 1.59E-10( 12 8.7)	1812, 1.59E-10( 12 9.3)	1814, 1.53E-10( 11 13.4)	1816, 1.40E-10( 10 18.8)	1818, 1.28E-10( 9 22.9)
1820, 1.23E-10( 9 23.4)	1822, 1.25E-10( 8 24.5)	1824, 1.28E-10( 9 23.2)	1826, 1.32E-10( 9 18.1)	0, 0, (0.0 0.0)
1800, 1.44E-10( 11 11.0)	1805, 1.47E-10( 11 8.2)	1810, 1.58E-10( 12 9.1)	1815, 1.47E-10( 10 15.7)	1820, 1.20E-10( 10 25.9)
1825, 1.27E-10( 10 21.3)	1830, 1.32E-10( 10 9.5)	1835, 1.37E-10( 11 13.2)	1840, 1.35E-10( 11 17.8)	1845, 1.36E-10( 11 19.1)
1850, 1.28E-10( 11 20.7)	1855, 1.29E-10( 12 8.4)	1860, 1.40E-10( 12 5.9)	1865, 1.45E-10( 12 9.8)	1870, 1.27E-10( 12 16.3)
1875, 1.34E-10( 12 21.6)	1880, 1.60E-10( 12 16.1)	1885, 1.77E-10( 12 4.2)	1890, 1.68E-10( 12 3.8)	1895, 1.66E-10( 12 2.3)
1900, 1.53E-10( 12 4.9)	1905, 1.36E-10( 12 10.4)	1910, 1.36E-10( 12 5.6)	1915, 1.52E-10( 12 2.6)	1920, 1.54E-10( 12 10.6)
1925, 1.34E-10( 12 17.9)	1930, 1.31E-10( 12 9.6)	1935, 1.30E-10( 12 10.1)	1940, 1.16E-10( 12 16.6)	1945, 1.21E-10( 12 13.7)
1950, 1.17E-10( 12 31.4)	1955, 1.21E-10( 12 31.4)	1960, 1.30E-10( 12 19.3)	1965, 1.18E-10( 12 30.6)	1970, 1.15E-10( 12 31.9)
1975, 1.21E-10( 12 19.1)	1980, 1.13E-10( 11 10.5)	1985, 1.07E-10( 11 2.1)	1990, 1.04E-10( 11 4.4)	1995, 1.05E-10( 11 4.7)
2000, 1.35E-10( 12 3.5)	2005, 1.30E-10( 12 11.3)	2010, 1.18E-10( 12 16.0)	2015, 1.17E-10( 12 13.4)	2020, 1.23E-10( 12 11.6)
2025, 1.35E-10( 12 7.2)	2030, 1.34E-10( 12 5.5)	2035, 1.22E-10( 12 4.9)	2040, 1.19E-10( 12 5.3)	2045, 1.25E-10( 12 8.6)
2050, 1.25E-10( 12 10.9)	2055, 1.16E-10( 12 12.2)	2060, 1.14E-10( 12 11.0)	2065, 1.15E-10( 12 8.0)	2070, 1.17E-10( 12 6.0)
2075, 1.23E-10( 12 2.8)	2080, 1.27E-10( 12 2.4)	2085, 1.27E-10( 12 3.6)	2090, 1.22E-10( 12 3.3)	2095, 1.19E-10( 12 1.6)
2100, 1.20E-10( 12 1.1)	2105, 1.19E-10( 12 3.3)	2110, 1.19E-10( 11 4.8)	2115, 1.21E-10( 11 4.6)	2120, 1.17E-10( 11 6.5)
2125, 1.09E-10( 11 9.1)	2130, 1.07E-10( 11 8.6)	2135, 1.11E-10( 11 7.3)	2140, 1.13E-10( 11 9.7)	2145, 1.09E-10( 11 12.5)
2150, 1.06E-10( 11 12.7)	2155, 1.09E-10( 11 10.3)	2160, 1.09E-10( 11 6.6)	2165, 1.07E-10( 11 1.5)	2170, 1.12E-10( 11 6.5)
2175, 1.16E-10( 11 12.2)	2180, 1.13E-10( 11 10.5)	2185, 1.07E-10( 11 2.1)	2190, 1.04E-10( 11 4.4)	2195, 1.05E-10( 11 4.7)
2200, 1.09E-10( 11 3.0)	2205, 1.07E-10( 11 1.3)	2210, 1.02E-10( 11 1.1)	2215, 9.98E-11( 11 1.5)	2220, 1.01E-10( 11 2.0)
2225, 1.03E-10( 11 4.3)	2230, 1.05E-10( 11 6.1)	2235, 1.07E-10( 11 5.3)	2240, 1.09E-10( 11 4.5)	2245, 1.09E-10( 11 0.8)
2250, 1.06E-10( 11 3.6)	2255, 1.03E-10( 11 5.1)	2260, 1.03E-10( 11 1.4)	2265, 1.05E-10( 11 2.2)	2270, 1.06E-10( 11 4.2)
2275, 1.06E-10( 11 4.2)	2280, 1.04E-10( 11 5.0)	2285, 1.01E-10( 11 5.6)	2290, 9.87E-11( 11 5.6)	2295, 9.91E-11( 11 5.1)
2300, 1.03E-10( 11 5.6)	2305, 1.05E-10( 11 4.6)	2310, 1.06E-10( 11 5.4)	2315, 1.05E-10( 11 1.8)	0, 0, (0.0 0.0)
2300, 1.03E-10( 11 5.3)	2310, 1.06E-10( 11 1.3)	2320, 1.04E-10( 11 0.1)	2330, 9.96E-11( 11 0.3)	2340, 9.23E-11( 11 0.4)
2350, 9.16E-11( 11 7.6)	2360, 9.29E-11( 11 11.0)	2370, 9.02E-11( 11 8.7)	2380, 9.25E-11( 11 7.0)	2390, 9.62E-11( 11 5.8)
2400, 9.83E-11( 11 4.9)	2410, 9.73E-11( 11 6.4)	2420, 9.54E-11( 11 8.4)	2430, 9.23E-11( 11 9.1)	2440, 8.74E-11( 11 9.7)
2450, 8.72E-11( 11 9.6)	2460, 8.77E-11( 11 5.6)	2470, 8.46E-11( 11 3.4)	2480, 8.73E-11( 11 9.6)	2490, 8.88E-11( 11 9.7)
2500, 8.57E-11( 11 6.4)	2510, 8.17E-11( 11 8.8)	2520, 7.55E-11( 11 13.6)	2530, 7.07E-11( 11 15.4)	2540, 7.19E-11( 11 13.1)
2550, 7.72E-11( 11 12.6)	2560, 8.20E-11( 11 16.3)	2570, 8.63E-11( 11 18.5)	2580, 8.81E-11( 11 14.9)	2590, 8.47E-11( 11 10.7)
2600, 8.18E-11( 11 9.1)	2610, 8.47E-11( 11 16.3)	2620, 8.62E-11( 11 17.4)	2630, 8.66E-11( 11 15.9)	2640, 9.08E-11( 11 17.0)
2650, 9.31E-11( 11 18.9)	2660, 9.92E-11( 11 16.9)	2670, 8.53E-11( 11 12.5)	2680, 8.36E-11( 11 8.9)	2690, 8.10E-11( 11 6.0)
2700, 7.68E-11( 11 8.4)	2710, 7.31E-11( 11 8.4)	2720, 7.06E-11( 11 9.4)	2730, 6.98E-11( 11 8.0)	2740, 7.06E-11( 11 8.3)
2750, 7.22E-11( 11 8.1)	2760, 7.34E-11( 11 8.8)	2770, 7.52E-11( 11 8.4)	2780, 7.67E-11( 11 11.3)	2790, 7.57E-11( 11 14.6)
2800, 7.19E-11( 11 8.1)	2810, 6.82E-11( 11 6.1)	2820, 6.65E-11( 11 8.3)	2830, 6.74E-11( 11 8.6)	2840, 6.96E-11( 11 12.5)
2850, 7.14E-11( 11 7.6)	2860, 7.19E-11( 11 16.0)	2870, 7.08E-11( 11 13.2)	2880, 6.74E-11( 11 10.6)	2890, 6.30E-11( 11 8.10)
2900, 6.02E-11( 11 8.12)	2910, 6.02E-11( 11 13.1)	2920, 6.18E-11( 11 12.6)	2930, 6.26E-11( 11 11.9)	2940, 6.16E-11( 11 7.10)
2950, 6.01E-11( 11 7.10)	2960, 5.93E-11( 11 11.6)	2970, 5.94E-11( 11 14.8)	2980, 6.06E-11( 11 17.9)	2990, 6.25E-11( 11 7.24)
3000, 6.50E-11( 11 7.26)	3010, 6.66E-11( 11 24.4)	3020, 6.71E-11( 11 20.6)	3030, 6.60E-11( 11 18.1)	0, 0, (0.0 0.0)
3000, 6.52E-11( 11 6.25)	3020, 6.70E-11( 11 20.8)	3040, 6.42E-11( 11 16.7)	3060, 6.09E-11( 11 14.5)	3080, 5.94E-11( 11 8.5)
3100, 5.97E-11( 11 6.6)	3120, 5.95E-11( 11 10.4)	3140, 5.58E-11( 11 10.5)	3160, 5.17E-11( 11 8.0)	3180, 5.15E-11( 11 7.9)
3200, 5.42E-11( 11 6.11)	3220, 5.63E-11( 11 15.3)	3240, 5.64E-11( 11 15.6)	3260, 5.49E-11( 11 11.2)	3280E, 5.27E-11( 11 6.2)
3300, 5.04E-11( 11 6.5)	3320, 4.91E-11( 11 6.8)	3340, 4.98E-11( 11 6.3)	3360, 5.11E-11( 11 9.3)	3380, 5.15E-11( 11 6.15)
3400, 5.10E-11( 11 6.16)	3420E, 5.12E-11( 11 15.7)	3440E, 5.16E-11( 11 16.9)	3460E, 5.09E-11( 11 16.7)	3480E, 4.95E-11( 11 22.1)
3500, 4.83E-11( 11 6.22)	3520E, 4.80E-11( 11 19.8)	3540E, 4.78E-11( 11 15.2)	3560E, 4.58E-11( 11 11.4)	3580, 4.27E-11( 11 10.9)
3600, 3.93E-11( 11 7.12)	3620, 3.72E-11( 11 11.8)	3640, 3.67E-11( 11 9.1)	3660, 3.69E-11( 11 5.2)	3680, 3.75E-11( 11 2.4)
3700, 3.78E-11( 11 7.12)	3720, 3.75E-11( 11 1.1)	3740, 3.65E-11( 11 7.1)	3760, 3.52E-11( 11 7.2)	3780, 3.43E-11( 11 7.2)
3800, 3.38E-11( 11 8.5)	3820, 3.36E-11( 11 8.6)	3840, 3.33E-11( 11 5.9)	3860, 3.29E-11( 11 8.5)	3880, 3.28E-11( 11 8.5)
3900, 3.34E-11( 11 8.6)	3920, 3.47E-11( 11 8.4)	3940, 3.68E-11( 11 11.7)	3960, 3.86E-11( 11 14.1)	3980, 4.00E-11( 11 16.0)
4000, 4.03E-11( 11 8.16)	4020, 4.02E-11( 11 15.0)	4040, 3.96E-11( 11 13.4)	4060, 3.93E-11( 11 11.6)	4080, 3.99E-11( 11 9.10)
4100, 4.08E-11( 11 9.10)	4120, 4.25E-11( 11 11.2)	4140, 4.42E-11( 11 12.5)	4160, 4.62E-11( 11 13.9)	4180, 4.84E-11( 11 14.7)
135, 0.00(0.0 0.0)	139, 0.00(0.0 0.0)	148, 0.00(0.0 0.0)	154, 0.00(0.0 0.0)	161, 0.00(0.0 0.0)
166, 2.93( 6 0.0)	172, 2.95( 5 3.2)	181, 3.42( 10 15.1)	192, 3.56( 12 12.9)	204, 3.68( 12 8.3)
219, 3.82( 11 1.4)	245, 4.04( 10 9.0)	280, 4.27( 8 12.4)	360, 4.81( 7 10.2)	0, 0.00(0.0 0.0)

X,Y(MM) -5.4 -9.8 SL4- 64 16 SCANS, T= 200 HR 2370 WT .6, SCALE .90  
X,Y(MM) -4.9 -9.8 SL4- 65 14 SCANS, T= 74 HR 2370 WT .6, SCALE 1.11

R = 0.83

[illegible]
$$R = 0.72 \pm$$

HD 46885

HR 2413

HD 46885

LAMBDA, F (WT, SIG) F = AVE FLUX FROM LAM-DEL/2 TO LAM+DEL/2

1825, 0.00(0.0 0.0)	1830U, 5.54E-11(.2 0.0)	1835U, 7.01E-11(.2 0.0)	1840U, 5.83E-11(.2 0.0)	1845U, 6.18E-11(.1 0.0)
1850U, 4.16E-11(.1 0.0)	1855U, 2.35E-11(.1 0.0)	1860U, 3.97E-11(.1 0.0)	1865U, 5.94E-11(.2 0.0)	1870U, 6.23E-11(.3 0.0)
1875U, 6.51E-11(.3 0.0)	1880U, 5.89E-11(.3 0.0)	1885, 6.70E-11(.3 0.0)	1890U, 5.75E-11(.3 0.0)	1895U, 6.02E-11(.2 0.0)
1900U, 5.27E-11(.2 0.0)	1905U, 5.10E-11(.2 0.0)	1910U, 5.60E-11(.2 0.0)	1915U, 4.41E-11(.2 0.0)	1920U, 4.10E-11(.2 0.0)
1925U, 4.27E-11(.1 0.0)	1930U, 3.08E-11(.1 0.0)	1935U, 3.29E-11(.1 0.0)	1940U, 3.12E-11(.1 0.0)	1945U, 3.39E-11(.1 0.0)
1950U, 3.49E-11(.1 0.0)	1955U, 3.93E-11(.2 0.0)	1960U, 4.59E-11(.2 0.0)	1965U, 5.06E-11(.3 0.0)	1970, 6.10E-11(.3 0.0)
1975, 5.58E-11(.4 0.0)	1980, 5.31E-11(.3 0.0)	1985U, 5.33E-11(.3 0.0)	1990, 5.26E-11(.3 0.0)	1995U, 4.82E-11(.3 0.0)
2000, 4.86E-11(.3 0.0)	2005U, 4.52E-11(.3 0.0)	2010U, 4.87E-11(.4 0.0)	2015, 5.74E-11(.4 0.0)	2020, 5.74E-11(.4 0.0)
2025, 5.06E-11(.5 0.0)	2030, 5.12E-11(.5 0.0)	2035, 5.46E-11(.5 0.0)	2040, 5.85E-11(.6 0.0)	2045, 5.81E-11(.6 0.0)
2050, 5.44E-11(.6 0.0)	2055, 5.31E-11(.6 0.0)	2060, 5.31E-11(.6 0.0)	2065, 5.38E-11(.6 0.0)	2070, 5.70E-11(.7 0.0)
2075, 5.47E-11(.7 0.0)	2080, 4.86E-11(.6 0.0)	2085, 4.78E-11(.6 0.0)	2090, 4.71E-11(.6 0.0)	2095, 4.65E-11(.6 0.0)
2100, 4.86E-11(.7 0.0)	2105, 4.83E-11(.7 0.0)	2110, 4.65E-11(.7 0.0)	2115, 4.49E-11(.6 0.0)	2120, 4.41E-11(.6 0.0)
2125, 4.37E-11(.7 0.0)	2130, 4.48E-11(.7 0.0)	2135, 4.81E-11(.7 0.0)	2140, 4.78E-11(.7 0.0)	2145, 4.51E-11(.7 0.0)
2150, 4.34E-11(.7 0.0)	2155, 4.27E-11(.7 0.0)	2160, 4.44E-11(.7 0.0)	2165, 4.74E-11(.7 0.0)	2170, 4.86E-11(.7 0.0)
2175, 4.81E-11(.7 0.0)	2180, 4.89E-11(.7 0.0)	2185, 4.88E-11(.7 0.0)	2190, 4.71E-11(.7 0.0)	2195, 4.56E-11(.7 0.0)
2200, 4.56E-11(.7 0.0)	2205, 4.81E-11(.7 0.0)	2210, 5.10E-11(.7 0.0)	2215, 5.10E-11(.7 0.0)	2220, 4.79E-11(.7 0.0)
2225, 4.42E-11(.7 0.0)	2230, 4.31E-11(.7 0.0)	2235, 4.41E-11(.7 0.0)	2240, 4.42E-11(.7 0.0)	2245, 4.41E-11(.7 0.0)
2250, 4.45E-11(.7 0.0)	2255, 4.51E-11(.7 0.0)	2260, 4.52E-11(.7 0.0)	2265, 4.57E-11(.7 0.0)	2270, 4.58E-11(.7 0.0)
2275, 4.37E-11(.7 0.0)	2280, 4.11E-11(.7 0.0)	2285, 3.99E-11(.7 0.0)	2290, 4.05E-11(.7 0.0)	2295, 4.09E-11(.7 0.0)
2300, 4.09E-11(.7 0.0)	2305, 4.04E-11(.7 0.0)	2310, 3.97E-11(.7 0.0)	2315, 3.99E-11(.7 0.0)	0, 0.0(0.0 0.0)
2350, 4.08E-11(.7 0.0)	2310, 3.98E-11(.7 0.0)	2320, 4.16E-11(.7 0.0)	2330, 4.37E-11(.7 0.0)	2340, 4.26E-11(.7 0.0)
2350, 4.09E-11(.7 0.0)	2360, 4.01E-11(.7 0.0)	2370, 4.33E-11(.7 0.0)	2380, 4.30E-11(.7 0.0)	2390, 4.16E-11(.7 0.0)
2400, 4.11E-11(.7 0.0)	2410, 4.20E-11(.7 0.0)	2420, 4.16E-11(.7 0.0)	2430, 4.05E-11(.7 0.0)	2440, 3.96E-11(.7 0.0)
2450, 4.13E-11(.7 0.0)	2460, 4.18E-11(.7 0.0)	2470, 3.89E-11(.7 0.0)	2480, 3.89E-11(.7 0.0)	2490, 3.98E-11(.7 0.0)
2500, 3.97E-11(.7 0.0)	2510, 3.83E-11(.7 0.0)	2520, 3.55E-11(.7 0.0)	2530, 3.37E-11(.7 0.0)	2540, 3.46E-11(.7 0.0)
2550, 3.69E-11(.7 0.0)	2560, 3.85E-11(.7 0.0)	2570, 3.86E-11(.7 0.0)	2580, 3.89E-11(.7 0.0)	2590, 3.98E-11(.7 0.0)
2600, 4.09E-11(.7 0.0)	2610, 4.15E-11(.7 0.0)	2620, 4.09E-11(.7 0.0)	2630, 4.05E-11(.7 0.0)	2640, 4.05E-11(.7 0.0)
2650, 3.98E-11(.7 0.0)	2660, 3.86E-11(.7 0.0)	2670, 3.73E-11(.7 0.0)	2680, 3.63E-11(.7 0.0)	2690, 3.59E-11(.7 0.0)
2700, 3.60E-11(.7 0.0)	2710, 3.52E-11(.7 0.0)	2720, 3.40E-11(.7 0.0)	2730, 3.36E-11(.7 0.0)	2740, 3.38E-11(.7 0.0)
2750, 3.37E-11(.7 0.0)	2760, 3.36E-11(.7 0.0)	2770, 3.39E-11(.7 0.0)	2780, 3.36E-11(.7 0.0)	2790, 3.30E-11(.7 0.0)
2800, 3.28E-11(.7 0.0)	2810, 3.27E-11(.7 0.0)	2820, 3.26E-11(.7 0.0)	2830, 3.29E-11(.7 0.0)	2840, 3.38E-11(.7 0.0)
2850, 3.43E-11(.7 0.0)	2860, 3.39E-11(.7 0.0)	2870, 3.32E-11(.7 0.0)	2880, 3.28E-11(.7 0.0)	2890, 3.28E-11(.7 0.0)
2900, 3.28E-11(.7 0.0)	2910, 3.24E-11(.7 0.0)	2920, 3.21E-11(.7 0.0)	2930, 3.22E-11(.7 0.0)	2940, 3.26E-11(.7 0.0)
2950, 3.27E-11(.7 0.0)	2960, 3.24E-11(.7 0.0)	2970, 3.22E-11(.7 0.0)	2980, 3.22E-11(.7 0.0)	2990, 3.23E-11(.7 0.0)
3000, 3.19E-11(.7 0.0)	3010, 3.13E-11(.7 0.0)	3020, 3.12E-11(.7 0.0)	3030, 3.19E-11(.7 0.0)	0, 0.0(0.0 0.0)
3050, 3.19E-11(.7 0.0)	3020, 3.13E-11(.7 0.0)	3040, 3.33E-11(.6 0.0)	3060, 3.58E-11(.6 0.0)	3080, 3.49E-11(.6 0.0)
3100, 3.14E-11(.6 0.0)	3120, 2.99E-11(.6 0.0)	3140, 3.06E-11(.6 0.0)	3160, 3.06E-11(.6 0.0)	3180, 3.12E-11(.6 0.0)
3200, 3.25E-11(.6 0.0)	3220, 3.14E-11(.6 0.0)	3240, 2.95E-11(.6 0.0)	3260, 2.96E-11(.6 0.0)	3280, 3.00E-11(.6 0.0)
3300, 2.88E-11(.6 0.0)	3320, 2.75E-11(.6 0.0)	3340, 2.70E-11(.6 0.0)	3360, 2.68E-11(.6 0.0)	3380, 2.72E-11(.6 0.0)
3400, 2.76E-11(.6 0.0)	3420, 2.68E-11(.6 0.0)	3440, 2.52E-11(.6 0.0)	3460, 2.34E-11(.7 0.0)	3480, 2.21E-11(.7 0.0)
3500, 2.20E-11(.7 0.0)	3520, 2.27E-11(.7 0.0)	3540, 2.26E-11(.7 0.0)	3560, 2.13E-11(.7 0.0)	3580, 2.05E-11(.7 0.0)
3600, 2.11E-11(.7 0.0)	3620, 2.26E-11(.7 0.0)	3640, 2.35E-11(.6 0.0)	3660, 2.35E-11(.6 0.0)	3680, 2.29E-11(.6 0.0)
3700, 2.26E-11(.6 0.0)	3720, 2.26E-11(.6 0.0)	3740, 2.24E-11(.6 0.0)	3760, 2.23E-11(.6 0.0)	3780, 2.24E-11(.6 0.0)
3800, 2.27E-11(.6 0.0)	3820, 2.30E-11(.6 0.0)	3840, 2.31E-11(.6 0.0)	3860, 2.25E-11(.7 0.0)	3880, 2.16E-11(.7 0.0)
3900, 2.08E-11(.7 0.0)	3920, 2.02E-11(.7 0.0)	3940, 1.99E-11(.7 0.0)	3960, 1.97E-11(.7 0.0)	3980, 1.96E-11(.7 0.0)
4000, 1.95E-11(.7 0.0)	4020, 1.94E-11(.7 0.0)	4040, 1.94E-11(.7 0.0)	4060, 1.98E-11(.7 0.0)	4080, 2.01E-11(.7 0.0)
4100, 2.04E-11(.7 0.0)	4120, 2.09E-11(.7 0.0)	4140, 2.13E-11(.7 0.0)	4160, 2.19E-11(.7 0.0)	4180, 2.24E-11(.7 0.0)
135, 0.00(0.0 0.0)	139, 0.00(0.0 0.0)	148, 0.00(0.0 0.0)	154, 0.00(0.0 0.0)	161, 0.00(0.0 0.0)
166, 0.00(0.0 0.0)	172, 0.00(0.0 0.0)	181, 0.00(0.0 0.0)	192U, 4.67(.2 0.0)	204, 4.61(.5 0.0)
219, 4.75(.7 0.0)	245, 4.89(.7 0.0)	280, 5.05(.7 0.0)	360, 5.37(.7 0.0)	0, 0.00(0.0 0.0)

X,Y(MM) -15.2 5.6 SL4- 62 20 SCANS, T= 252 HR 2413 WT .7, SCALE 1.00

R = 0.48:

P. 5. 0 88.

HD 47129

HR 2422

HD 47129

LAMBDA, F (WT, SIG)	F = AVE FLUX FROM LAM-DEL/2 TO LAM+DEL/2				
1400U 2.37E-10(1.0 0.0)	1402U 1.91E-10(1.0 0.0)	1404U 2.76E-10(1.0 0.0)	1406U 1.88E-10(1.0 0.0)	1408 3.24E-10(1.0 0.0)	1410U 2.50E-10(1.0 0.0)
1410 3.81E-10(1.0 0.0)	1412 3.26E-10(1.0 0.0)	1414 4.15E-10(1.0 0.0)	1416 3.69E-10(1.0 0.0)	1418U 2.50E-10(1.0 0.0)	1420 3.30E-10(1.0 0.0)
1420 3.15E-10(1.0 0.0)	1422 3.08E-10(1.0 0.0)	1424 3.36E-10(1.0 0.0)	1426 3.45E-10(1.0 0.0)	1428 3.30E-10(1.0 0.0)	1430 3.08E-10(1.0 0.0)
1430 3.35E-10(1.0 0.0)	1432 3.45E-10(1.0 0.0)	1434 3.53E-10(1.0 0.0)	1436 3.15E-10(1.0 0.0)	1438 3.08E-10(1.0 0.0)	1440 3.28E-10(1.0 0.0)
1440 3.28E-10(1.0 0.0)	1442 3.37E-10(1.0 0.0)	1444 3.37E-10(1.0 0.0)	1446 2.86E-10(1.0 0.0)	1448 2.45E-10(1.0 0.0)	1450 2.60E-10(1.0 0.0)
1450 2.60E-10(1.0 0.0)	1452 2.55E-10(1.0 0.0)	1454 2.78E-10(1.0 0.0)	1456 2.58E-10(1.0 0.0)	1458 2.58E-10(1.0 0.0)	1460 2.37E-10(1.0 0.0)
1460 2.37E-10(1.0 0.0)	1462 3.14E-10(1.0 0.0)	1464 2.34E-10(1.0 0.0)	1466 2.48E-10(1.0 0.0)	1468 2.92E-10(1.0 0.0)	1470 2.69E-10(1.0 0.0)
1470 2.69E-10(1.0 0.0)	1472 2.13E-10(1.0 0.0)	1474 2.31E-10(1.0 0.0)	1476 2.36E-10(1.0 0.0)	1478 2.06E-10(1.0 0.0)	1480 2.28E-10(1.0 0.0)
1480 2.28E-10(1.0 0.0)	1482 2.47E-10(1.0 0.0)	1484 2.40E-10(1.0 0.0)	1486 2.35E-10(1.0 0.0)	1488 2.45E-10(1.0 0.0)	1490 1.91E-10(1.0 0.0)
1490 1.91E-10(1.0 0.0)	1492 1.87E-10(1.0 0.0)	1494 2.12E-10(1.0 0.0)	1496U 1.49E-10(1.0 0.0)	1498 1.80E-10(1.0 0.0)	1500 2.07E-10(1.0 0.0)
1500 2.07E-10(1.0 0.0)	1502 1.90E-10(1.0 0.0)	1504 1.89E-10(1.0 0.0)	1506U 1.42E-10(1.0 0.0)	1508 1.40E-10(1.0 0.0)	1510 1.71E-10(1.0 0.0)
1510 1.71E-10(1.0 0.0)	1512U 1.36E-10(1.0 0.0)	1514 1.61E-10(1.0 0.0)	1516 1.37E-10(1.0 0.0)	1518 1.18E-10(1.0 0.0)	1520 1.31E-10(1.0 0.0)
1520 1.31E-10(1.0 0.0)	1522 1.66E-10(1.0 0.0)	1524 1.41E-10(1.0 0.0)	1526U 1.09E-10(1.0 0.0)	1528 1.27E-10(1.0 0.0)	1530 1.24E-10(1.0 0.0)
1530 1.24E-10(1.0 0.0)	1532U 9.06E-11(1.0 0.0)	1534U 9.51E-11(1.0 0.0)	1536 1.12E-10(1.0 0.0)	1538U 9.11E-11(1.0 0.0)	1540U 8.32E-11(1.0 0.0)
1540U 8.32E-11(1.0 0.0)	1542U 8.93E-11(1.0 0.0)	1544U 9.53E-11(1.0 0.0)	1546U 7.69E-11(1.0 0.0)	1548U 5.87E-11(1.0 0.0)	1550U 8.12E-11(1.0 0.0)
1550U 8.12E-11(1.0 0.0)	1552U 9.71E-11(1.0 0.0)	1554 1.24E-10(1.0 0.0)	1556 1.15E-10(1.0 0.0)	1558 1.02E-10(1.0 0.0)	1560 1.25E-10(1.0 0.0)
1560 1.25E-10(1.0 0.0)	1562 1.36E-10(1.0 0.0)	1564 1.19E-10(1.0 0.0)	1566 1.10E-10(1.0 0.0)	1568 1.01E-10(1.0 0.0)	1570U 8.52E-11(1.0 0.0)
1570U 8.52E-11(1.0 0.0)	1572 9.00E-11(1.0 0.0)	1574 9.91E-11(1.0 0.0)	1576 8.85E-11(1.0 0.0)	1578 8.71E-11(1.0 0.0)	1580 1.02E-10(1.0 0.0)
1580 1.02E-10(1.0 0.0)	1582 1.04E-10(1.0 0.0)	1584 1.03E-10(1.0 0.0)	1586 1.12E-10(1.0 0.0)	1588 1.28E-10(1.0 0.0)	1590 1.23E-10(1.0 0.0)
1590 1.23E-10(1.0 0.0)	1592 1.08E-10(1.0 0.0)	1594 8.59E-11(1.0 0.0)	1596 8.67E-11(1.0 0.0)	1598 1.02E-10(1.0 0.0)	1600 1.09E-10(1.0 0.0)
1600 1.09E-10(1.0 0.0)	1602 1.11E-10(1.0 0.0)	1604 1.13E-10(1.0 0.0)	1606 1.18E-10(1.0 0.0)	1608 1.07E-10(1.0 0.0)	1610 9.69E-11(1.0 0.0)
1610 9.69E-11(1.0 0.0)	1612 1.01E-10(1.0 0.0)	1614 1.03E-10(1.0 0.0)	1616 9.79E-11(1.0 0.0)	1618 1.04E-10(1.0 0.0)	1620 1.16E-10(1.0 0.0)
1620 1.16E-10(1.0 0.0)	1622 1.13E-10(1.0 0.0)	1624 1.10E-10(1.0 0.0)	1626 1.19E-10(1.0 0.0)	1628 1.22E-10(1.0 0.0)	1630 1.17E-10(1.0 0.0)
1630 1.17E-10(1.0 0.0)	1632 1.21E-10(1.0 0.0)	1634 1.25E-10(1.0 0.0)	1636 1.17E-10(1.0 0.0)	1638 1.06E-10(1.0 0.0)	1640 1.11E-10(1.0 0.0)
1640 1.11E-10(1.0 0.0)	1642 1.23E-10(1.0 0.0)	1644 1.39E-10(1.0 0.0)	1646 1.45E-10(1.0 0.0)	1648 1.38E-10(1.0 0.0)	1650 1.35E-10(1.0 0.0)
1650 1.35E-10(1.0 0.0)	1652 1.25E-10(1.0 0.0)	1654 1.36E-10(1.0 0.0)	1656 1.32E-10(1.0 0.0)	1658 1.28E-10(1.0 0.0)	1660L 1.44E-10(1.0 0.0)
1660L 1.44E-10(1.0 0.0)	1662L 1.35E-10(1.0 0.0)	1664L 1.39E-10(1.0 0.0)	1666L 1.54E-10(1.0 0.0)	1668L 1.55E-10(1.0 0.0)	1670L 1.58E-10(1.0 0.0)
1670L 1.58E-10(1.0 0.0)	1672L 1.57E-10(1.0 0.0)	1674L 1.49E-10(1.0 0.0)	1676L 1.46E-10(1.0 0.0)	1678L 1.55E-10(1.0 0.0)	1680L 1.56E-10(1.0 0.0)
1680L 1.56E-10(1.0 0.0)	1682L 1.53E-10(1.0 0.0)	1684L 1.60E-10(1.0 0.0)	1686L 1.75E-10(1.0 0.0)	1688L 1.83E-10(1.0 0.0)	1690L 1.77E-10(1.0 0.0)
1690L 1.77E-10(1.0 0.0)	1692L 1.73E-10(1.0 0.0)	1694L 1.71E-10(1.0 0.0)	1696L 1.69E-10(1.0 0.0)	1698L 1.70E-10(1.0 0.0)	1700L 1.66E-10(1.0 0.0)
1700L 1.66E-10(1.0 0.0)	1702L 1.61E-10(1.0 0.0)	1704L 1.55E-10(1.0 0.0)	1706L 1.43E-10(1.0 0.0)	1708L 1.43E-10(1.0 0.0)	1710L 1.51E-10(1.0 0.0)
1710L 1.51E-10(1.0 0.0)	1712L 1.52E-10(1.0 0.0)	1714L 1.47E-10(1.0 0.0)	1716L 1.45E-10(1.0 0.0)	1718L 1.42E-10(1.0 0.0)	1720L 1.36E-10(1.0 0.0)
1720L 1.36E-10(1.0 0.0)	1722 1.42E-10(1.0 0.0)	1724 1.37E-10(1.0 0.0)	1726 1.32E-10(1.0 0.0)	1728 1.27E-10(1.0 0.0)	1730 1.23E-10(1.0 0.0)
1730 1.23E-10(1.0 0.0)	1732 1.24E-10(1.0 0.0)	1734 1.17E-10(1.0 0.0)	1736 1.13E-10(1.0 0.0)	1738 1.13E-10(1.0 0.0)	1740 1.09E-10(1.0 0.0)
1740 1.09E-10(1.0 0.0)	1742 1.06E-10(1.0 0.0)	1744 1.06E-10(1.0 0.0)	1746 1.08E-10(1.0 0.0)	1748 1.12E-10(1.0 0.0)	1750 1.11E-10(1.0 0.0)
1750 1.11E-10(1.0 0.0)	1752 1.06E-10(1.0 0.0)	1754 1.02E-10(1.0 0.0)	1756 1.07E-10(1.0 0.0)	1758 1.15E-10(1.0 0.0)	1760 1.15E-10(1.0 0.0)
1760 1.15E-10(1.0 0.0)	1762 1.06E-10(1.0 0.0)	1764 9.93E-11(1.0 0.0)	1766 1.01E-10(1.0 0.0)	1768 1.05E-10(1.0 0.0)	1770 1.07E-10(1.0 0.0)
1770 1.07E-10(1.0 0.0)	1772 1.03E-10(1.0 0.0)	1774 9.42E-11(1.0 0.0)	1776 8.56E-11(1.0 0.0)	1778 8.21E-11(1.0 0.0)	1780 8.56E-11(1.0 0.0)
1780 8.56E-11(1.0 0.0)	1782 9.17E-11(1.0 0.0)	1784 9.59E-11(1.0 0.0)	1786 9.82E-11(1.0 0.0)	1788 9.86E-11(1.0 0.0)	1790 9.74E-11(1.0 0.0)
1790 9.74E-11(1.0 0.0)	1792 9.32E-11(1.0 0.0)	1794 9.79E-11(1.0 0.0)	1796 9.79E-11(1.0 0.0)	1798 8.85E-11(1.0 0.0)	1800 9.45E-11(1.0 0.0)
1800 9.45E-11(1.0 0.0)	1802 9.67E-11(1.0 0.0)	1804 9.47E-11(1.0 0.0)	1806 9.10E-11(1.0 0.0)	1808 8.85E-11(1.0 0.0)	1810 8.89E-11(1.0 0.0)
1810 8.89E-11(1.0 0.0)	1812 9.05E-11(1.0 0.0)	1814 9.20E-11(1.0 0.0)	1816 8.99E-11(1.0 0.0)	1818 8.67E-11(1.0 0.0)	1820 8.46E-11(1.0 0.0)
1820 8.46E-11(1.0 0.0)	1822 8.54E-11(1.0 0.0)	1824 8.78E-11(1.0 0.0)	1826 8.99E-11(1.0 0.0)	1828 8.52E-11(1.0 0.0)	1830 8.44E-11(1.0 0.0)
1830 8.44E-11(1.0 0.0)	1832 8.79E-11(1.0 0.0)	1834 9.08E-11(1.0 0.0)	1836 8.29E-11(1.0 0.0)	1838 7.74E-11(1.0 0.0)	1840 8.86E-11(1.0 0.0)
1840 8.86E-11(1.0 0.0)	1842 8.60E-11(1.0 0.0)	1844 8.60E-11(1.0 0.0)	1846 8.15E-11(1.0 0.0)	1848 7.55E-11(1.0 0.0)	1850 8.40E-11(1.0 0.0)
1850 8.40E-11(1.0 0.0)	1852 8.65E-11(1.0 0.0)	1854 8.65E-11(1.0 0.0)	1856 8.15E-11(1.0 0.0)	1858 7.37E-11(1.0 0.0)	1860 8.90E-11(1.0 0.0)
1860 8.90E-11(1.0 0.0)	1862 6.65E-11(1.0 0.0)	1864 6.65E-11(1.0 0.0)	1866 6.95E-11(1.0 0.0)	1868 6.79E-11(1.0 0.0)	1870 6.68E-11(1.0 0.0)
1870 6.68E-11(1.0 0.0)	1872 6.65E-11(1.0 0.0)	1874 6.65E-11(1.0 0.0)	1876 6.76E-11(1.0 0.0)	1878 7.41E-11(1.0 0.0)	1880 7.24E-11(1.0 0.0)
1880 7.24E-11(1.0 0.0)	1882 6.91E-11(1.0 0.0)	1884 6.91E-11(1.0 0.0)	1886 6.45E-11(1.0 0.0)	1888 6.14E-11(1.0 0.0)	1890 6.07E-11(1.0 0.0)
1890 6.07E-11(1.0 0.0)	1892 6.99E-11(1.0 0.0)	1894 6.99E-11(1.0 0.0)	1896 5.55E-11(1.0 0.0)	1898 5.73E-11(1.0 0.0)	1900 5.99E-11(1.0 0.0)
1900 5.99E-11(1.0 0.0)	1902 5.96E-11(1.0 0.0)	1904 5.96E-11(1.0 0.0)	1906 5.39E-11(1.0 0.0)	1908 5.25E-11(1.0 0.0)	1910 5.99E-11(1.0 0.0)
1910 5.99E-11(1.0 0.0)	1912 4.94E-11(1.0 0.0)	1914 4.94E-11(1.0 0.0)	1916 4.74E-11(1.0 0.0)	1918 4.00E-11(1.0 0.0)	1920 4.97E-11(1.0 0.0)
1920 4.97E-11(1.0 0.0)	1922 4.23E-11(1.0 0.0)	1924 4.23E-11(1.0 0.0)	1926 4.43E-11(1.0 0.0)	1928 4.28E-11(1.0 0.0)	1930 4.18E-11(1.0 0.0)
1930 4.18E-11(1.0 0.0)	1932 3.83E-11(1.0 0.0)	1934 3.83E-11(1.0 0.0)	1936 3.65E-11(1.0 0.0)	1938 3.52E-11(1.0 0.0)	1940 3.50E-11(1.0 0.0)
1940 3.50E-11(1.0 0.0)	1942 3.57E-11(1.0 0.0)	1944 3.57E-11(1.0 0.0)	1946 3.42E-11(1.0 0.0)	1948 3.28E-11(1.0 0.0)	1950 3.24E-11(1.0 0.0)
1950 3.24E-11(1.0 0.0)	1952 3.13E-11(1.0 0.0)	1954 3.13E-11(1.0 0.0)	1956 3.03E-11(1.0 0.0)	1958 3.14E-11(1.0 0.0)	1960 3.21E-11(1.0 0.0)
1960 3.21E-11(1.0 0.0)	1962 3.18E-11(1.0 0.0)	1964 3.18E-11(1.0 0.0)	1966 3.11E-11(1.0 0.0)	1968 3.02E-11(1.0 0.0)	1970 2.90E-11(1.0 0.0)
1970 2.90E-11(1.0 0.0)	1972 2.74E-11(1.0 0.0)	1974 2.74E-11(1.0 0.0)	1976 2.77E-11(1.0 0.0)	1978 3.01E-11(1.0 0.0)	1980 3.16E-11(1.0 0.0)
1980 3.16E-11(1.0 0.0)	1982 3.21E-11(1.0 0.0)	1984 3.21E-11(1.0 0.0)	1986 3.22E-11(1.0 0.0)	1988 3.20E-11(1.0 0.0)	1990 3.21E-11(1.0 0.0)
1990 3.21E-11(1.0 0.0)	1992 3.23E-11(1.0 0.0)	1994 3.23E-11(1.0 0.0)	1996 3.19E-11(1.0 0.0)	1998 2.98E-11(1.0 0.0)	2000 2.78E-11(1.0 0.0)
2000 2.78E-11(1.0 0.0)	2002 2.66E-11(1.0 0.0)	2004 2.66E-11(1.0 0.0)	2006 2.77E-11(1.0 0.0)	2008 2.93E-11(1.0 0.0)	2010 3.06E-11(1.0 0.0)
2010 3.06E-11(1.0 0.0)	2012 3.10E-11(1.0 0.0)	2014 3.10E-11(1.0 0.0)	2016 3.19E-11(1.0 0.0)	2018 3.05E-11(1.0 0.0)	2020 3.09E-11(1.0 0.0)
2020 3.09E-11(1.0 0.0)	2022 3.13E-11(1.0 0.0)	2024 3.13E-11(1.0 0.0)	2026 3.24E-11(1.0 0.0)	2028 3.18E-11(1.0 0.0)	2030 2.97E-11(1.0 0.0)
2030 2.97E-11(1.0 0.0)	2032 3.17E-11(1.0 0.0)	2034 3.17E-11(1.0 0.0)	2036 3.67E-11(1.0 0.0)	2038 3.75E-11(1.0 0.0)	2040 3.25E-11(1.0 0.0)
2040 3.25E-11(1.0 0.0)	2042 3.80E-11(1.0 0.0)	2044 3.80E-11(1.0 0.0)	2046 3.79E-11(1.0 0.0)	2048 3.74E-11(1.0 0.0)	2050 3.61E-11(1.0 0.0)
2050 3.61E-11(1.0 0.0)	2052 3.66E-11(1.0 0.0)	2054 3.66E-11(1.0 0.0)	2056 4.21E-11(1.0 0.0)	2058 3.79E-11(1.0 0.0)	2060 4.32E-11(1.0 0.0)
2060 4.32E-11(1.0 0.0)	2062 4.43E-11(1.0 0.0)	2064 4.43E-11(1.0 0.0)	2066 4.24E-11(1.0 0.0)	2068 4.22E-11(1.0 0.0)	2070 4.38E-11(1.0 0.0)
2070 4.38E-11(1.0 0.0)	2072 4.20E-11(1.0 0.0)	2074 4.20E-11(1.0 0.0)	2076 4.52E-11(1.0 0.0)	2078 4.33E-11(1.0 0.0)	2080 4.67E-11(1.0 0.0)
2080 4.67E-11(1.0 0.0)	2082 4.61E-11(1.0 0.0)	2084 4.61E-11(1.0 0.0)	2086 4.04E-11(1.0 0.0)	2088 3.88E-11(1.0 0.0)	2090 4.06E-11(1.0 0.0)
2090 4.06E-11(1.0 0.0)	2092 4.10E-11(1.0 0.0)	2094 4.10E-11(1.0 0.0)	2096 3.07E-11(1.0 0.0)	2098 3.04E-11(1.0 0.0)	2100 3.29E-11(1.0 0.0)
2100 3.29E-11(1.0 0.0)	2102 3.11E-11(1.0 0.0)	2104 3.11E-11(1.0 0.0)	2106 3.74E-11(1.0 0.0)	2108 3.89E-11(1.0 0.0)	2110 3.11E-11(1.0 0.0)
2110 3.11E-11(1.0 0.0)	2112 3.97E-11(1.0 0.0)	2114 3.97E-11(1.0 0.0)	2116 2.87E-11(1.0 0.0)	2118 2.97E-11(1.0 0.0)	2120 3.39E-11(1.0 0.0)
2120 3.39E-11(1.0 0.0)	2122 3.99E-11(1.0 0.0)	2124 3.99E-11(1.0 0.0)	2126 4.05E-11(1.0 0.0)	2128 3.80E-11(1.0 0.0)	2130 3.25E-11(1.0 0.0)
2130 3.25E-11(1.0 0.0)	2132 3.26E-11(1.0 0.0)	2134 3.26E-11(1.0 0.0)	2136 3.36E-11(1.0 0.0)	2138 3.51E-11(1.0 0.0)	2140 3.50E-11(1.0 0.0)
2140 3.50E-11(1.0 0.0)	2142 3.30E-11(1.0 0.0)	2144 3.30E-11(1.0 0.0)	2146 3.03E-11(1.0 0.0)	21	

LAMBDA			F			F = AVE FLUX FROM LAM-DEL/2			TO LAM+DEL/2					
(W.T.)	(O.O.)	(S.G.)	(W.T.)	(O.O.)	(S.G.)	(W.T.)	(O.O.)	(S.G.)	(W.T.)	(O.O.)	(S.G.)			
1490.0	0.0	0.0	1492.0	0.0	0.0	1494.0	1.15E-10	1.0	1496.0	1.00E-10	1.0	1498.0	9.02E-11	1.0
1500.0	9.78E-11	1.0	1502.0	7.21E-11	1.0	1504.0	4.95E-11	1.0	1506.0	9.07E-11	1.0	1508.0	1.18E-10	1.0
1510.0	1.15E-10	2.0	1512.0	1.07E-10	2.0	1514.0	1.13E-10	2.0	1516.0	1.49E-10	2.0	1518.0	1.14E-10	2.0
1520.0	1.27E-10	3.0	1522.0	1.17E-10	3.0	1524.0	1.08E-10	3.0	1526.0	1.27E-10	3.0	1528.0	1.52E-10	3.0
1530.0	1.60E-10	4.0	1532.0	1.32E-10	4.0	1534.0	9.85E-11	4.0	1536.0	1.35E-10	4.0	1538.0	1.30E-10	4.0
1540.0	1.09E-10	5.0	1542.0	1.16E-10	5.0	1544.0	1.34E-10	5.0	1546.0	1.30E-10	5.0	1548.0	1.25E-10	5.0
1550.0	1.07E-10	6.0	1552.0	1.12E-10	6.0	1554.0	7.44E-11	6.0	1556.0	1.07E-10	6.0	1558.0	9.05E-11	6.0
1560.0	6.18E-11	7.0	1562.0	8.25E-11	7.0	1564.0	1.10E-10	7.0	1566.0	9.32E-11	7.0	1568.0	8.36E-11	7.0
1570.0	1.21E-10	8.0	1572.0	1.28E-10	8.0	1574.0	1.40E-10	8.0	1576.0	1.38E-10	8.0	1578.0	1.38E-10	8.0
1580.0	1.60E-10	9.0	1582.0	1.41E-10	9.0	1584.0	1.41E-10	9.0	1586.0	1.33E-10	9.0	1588.0	1.15E-10	9.0
1590.0	9.61E-11	4.0	1592.0	8.94E-11	3.0	1594.0	8.54E-11	3.0	1596.0	9.91E-11	3.0	1598.0	1.03E-10	4.0
1600.0	1.13E-10	5.0	1602.0	1.24E-10	5.0	1604.0	1.21E-10	5.0	1606.0	1.21E-10	5.0	1608.0	1.15E-10	5.0
1610.0	1.02E-10	6.0	1612.0	9.51E-11	4.0	1614.0	1.06E-10	6.0	1616.0	1.21E-10	6.0	1618.0	1.01E-10	5.0
1620.0	9.05E-11	4.0	1622.0	1.01E-10	4.0	1624.0	1.10E-10	5.0	1626.0	9.70E-11	4.0	1628.0	9.59E-11	5.0
1630.0	1.10E-10	6.0	1632.0	7.44E-11	4.0	1634.0	1.06E-10	6.0	1636.0	7.52E-11	6.0	1638.0	9.05E-11	6.0
1640.0	1.14E-10	5.0	1642.0	1.01E-10	5.0	1644.0	1.01E-10	5.0	1646.0	9.78E-11	5.0	1648.0	9.07E-11	5.0
1650.0	9.83E-11	5.0	1652.0	1.04E-10	6.0	1654.0	9.73E-11	5.0	1656.0	8.57E-11	5.0	1658.0	8.75E-11	5.0
1660.0	1.01E-10	5.0	1662.0	1.06E-10	6.0	1664.0	9.83E-11	6.0	1666.0	9.36E-11	6.0	1668.0	9.79E-11	6.0
1670.0	9.86E-11	7.0	1672.0	9.55E-11	7.0	1674.0	9.36E-11	7.0	1676.0	9.02E-11	7.0	1678.0	8.64E-11	6.0
1680.0	8.24E-11	7.0	1682.0	9.20E-11	8.0	1684.0	1.04E-10	8.0	1686.0	9.21E-11	8.0	1688.0	7.54E-11	7.0
1690.0	7.13E-11	6.0	1692.0	7.72E-11	9.0	1694.0	8.09E-11	8.0	1696.0	7.83E-11	8.0	1698.0	7.42E-11	8.0
1700.0	6.10E-11	5.0	1702.0	6.65E-11	12.0	1704.0	7.10E-11	5.0	1706.0	6.80E-11	5.0	1708.0	6.59E-11	5.0
1710.0	8.22E-11	2.0	1712.0	7.56E-11	1.0	1714.0	7.10E-11	1.0	1716.0	8.07E-11	1.0	1718.0	8.94E-11	1.0
1720.0	7.72E-11	1.0	1722.0	6.46E-11	6.0	1724.0	6.49E-11	1.0	1726.0	7.10E-11	1.0	1728.0	7.54E-11	1.0
173														

 $R = 0.63$





$R = 0.74$

LAMBDA	F	(WT.)	SIG)	F = AVE FLUX FROM LAM-DEL/2 TO LAM+DEL/2	LAMBDA	F	(WT.)	SIG)	LAMBDA	F	(WT.)	SIG)	LAMBDA	F	(WT.)	SIG)	LAMBDA	F	(WT.)	SIG)
1490.0	0.0	(0.0)	0.0)	1492.0	0.0	(0.0)	0.0)	1494.0	0.0	(0.0)	0.0)	1496.0	0.0	(0.0)	0.0)	1498.0	3.97E-10	(.3)	0.0)	
1500.0	3.75E-10	(.3)	0.0)	1502.0	4.15E-10	(.3)	0.0)	1504.0	3.50E-10	(.3)	0.0)	1506.0	3.73E-10	(.3)	0.0)	1508.0	3.26E-10	(.2)	0.0)	
1510.0	1.72E-10	(.2)	0.0)	1512.0	2.17E-10	(.1)	0.0)	1514.0	3.07E-10	(.3)	0.0)	1516.0	3.40E-10	(.3)	0.0)	1518.0	3.66E-10	(.3)	0.0)	
1520.0	2.78E-10	(.3)	0.0)	1522.0	3.35E-10	(.3)	0.0)	1524.0	3.87E-10	(.3)	0.0)	1526.0	3.57E-10	(.4)	0.0)	1528.0	4.09E-10	(.4)	0.0)	
1530.0	3.87E-10	(.4)	0.0)	1532.0	3.72E-10	(.4)	0.0)	1534.0	4.04E-10	(.5)	0.0)	1536.0	3.44E-10	(.5)	0.0)	1538.0	4.13E-10	(.5)	0.0)	
1540.0	3.82E-10	(.5)	0.0)	1542.0	3.85E-10	(.4)	0.0)	1544.0	2.94E-10	(.4)	0.0)	1546.0	2.84E-10	(.4)	0.0)	1548.0	3.54E-10	(.4)	0.0)	
1550.0	4.81E-10	(.5)	0.0)	1552.0	3.76E-10	(.5)	0.0)	1554.0	3.70E-10	(.5)	0.0)	1556.0	4.21E-10	(.6)	0.0)	1558.0	4.86E-10	(.7)	0.0)	
1560.0	4.81E-10	(.5)	0.0)	1562.0	5.63E-10	(.5)	0.0)	1564.0	4.84E-10	(.6)	0.0)	1566.0	5.35E-10	(.6)	0.0)	1568.0	5.40E-10	(.7)	0.0)	
1570.0	5.21E-10	(.7)	0.0)	1572.0	5.13E-10	(.7)	0.0)	1574.0	4.94E-10	(.7)	0.0)	1576.0	5.13E-10	(.7)	0.0)	1578.0	5.54E-10	(.7)	0.0)	
1580.0	5.48E-10	(.7)	0.0)	1582.0	4.91E-10	(.7)	0.0)	1584.0	4.79E-10	(.7)	0.0)	1586.0	4.93E-10	(.7)	0.0)	1588.0	5.28E-10	(.7)	0.0)	
1590.0	5.40E-10	(.7)	0.0)	1592.0	4.90E-10	(.7)	0.0)	1594.0	4.65E-10	(.7)	0.0)	1596.0	4.97E-10	(.7)	0.0)	1598.0	4.92E-10	(.7)	0.0)	
1600.0	6.40E-10	(.7)	0.0)	1602.0	4.57E-10	(.7)	0.0)	1604.0	4.83E-10	(.7)	0.0)	1606.0	4.73E-10	(.7)	0.0)	1608.0	4.79E-10	(.7)	0.0)	
1610.0	4.55E-10	(.7)	0.0)	1612.0	4.02E-10	(.7)	0.0)	1614.0	3.81E-10	(.7)	0.0)	1616.0	4.32E-10	(.7)	0.0)	1618.0	4.82E-10	(.7)	0.0)	
1620.0	4.81E-10	(.7)	0.0)	1622.0	4.67E-10	(.7)	0.0)	1624.0	4.89E-10	(.7)	0.0)	1626.0	5.11E-10	(.7)	0.0)	1628.0	5.18E-10	(.7)	0.0)	
1630.0	5.01E-10	(.7)	0.0)	1632.0	4.79E-10	(.7)	0.0)	1634.0	4.95E-10	(.7)	0.0)	1636.0	5.35E-10	(.7)	0.0)	1638.0	5.40E-10	(.7)	0.0)	
1640.0	5.12E-10	(.7)	0.0)	1642.0	4.72E-10	(.7)	0.0)	1644.0	4.51E-10	(.7)	0.0)	1646.0	4.79E-10	(.7)	0.0)	1648.0	5.07E-10	(.7)	0.0)	
1650.0	5.20E-10	(.7)	0.0)	1652.0	5.40E-10	(.7)	0.0)	1654.0	5.34E-10	(.7)	0.0)	1656.0	5.10E-10	(.7)	0.0)	1658.0	5.01E-10	(.7)	0.0)	
1660.0	5.04E-10	(.7)	0.0)	1662.0	5.02E-10	(.7)	0.0)	1664.0	4.93E-10	(.7)	0.0)	1666.0	4.69E-10	(.7)	0.0)	1668.0	4.88E-10	(.7)	0.0)	
1670.0	5.50E-10	(.7)	0.0)	1672.0	5.67E-10	(.7)	0.0)	1674.0	5.49E-10	(.7)	0.0)	1676.0	5.20E-10	(.7)	0.0)	1678.0	4.85E-10	(.7)	0.0)	
1680.0	4.84E-10	(.7)	0.0)	1682.0	5.01E-10	(.7)	0.0)	1684.0	4.81E-10	(.7)	0.0)	1686.0	4.80E-10</							

 $R = 0.91$

$R = (0.46)$

HD 50013

KAP CMA

HD 50013

LAMBDA, F (WT, SIG) F = AVE FLUX FROM LAM-DEL/2 TO LAM+DEL/2

1310	2.28E-09	.8	0.0)	1312	2.22E-09	.8	0.0)	1314	2.16E-09	.8	0.0)	1316	2.43E-09	.8	0.0)	1318	2.45E-09	.8	0.0)
1320	2.38E-09	.8	0.0)	1322	2.56E-09	.8	0.0)	1324	2.37E-09	.8	0.0)	1326	2.49E-09	.8	0.0)	1328	2.48E-09	.8	0.0)
1330	2.25E-09	.8	0.0)	1332	2.45E-09	.8	0.0)	1334	2.15E-09	.8	0.0)	1336	1.99E-09	.8	0.0)	1338	2.31E-09	.8	0.0)
1340	2.35E-09	.8	0.0)	1342	2.22E-09	.8	0.0)	1344	2.05E-09	.8	0.0)	1346	2.22E-09	.8	0.0)	1348	2.42E-09	.8	0.0)
1350	2.43E-09	.8	0.0)	1352	2.33E-09	.8	0.0)	1354	2.41E-09	.8	0.0)	1356	2.30E-09	.8	0.0)	1358	2.47E-09	.8	0.0)
1360	2.47E-09	.8	0.0)	1362	2.45E-09	.8	0.0)	1364	2.30E-09	.8	0.0)	1366	2.43E-09	.8	0.0)	1368	2.14E-09	.8	0.0)
1370	2.61E-09	.8	0.0)	1372	2.31E-09	.8	0.0)	1374	2.46E-09	.8	0.0)	1376	2.42E-09	.8	0.0)	1378	2.07E-09	.8	0.0)
1380	2.60E-09	.8	0.0)	1382	2.25E-09	.8	0.0)	1384	2.22E-09	.8	0.0)	1386	2.28E-09	.8	0.0)	1388	2.15E-09	.8	0.0)
1390	2.60E-09	.8	0.0)	1392	2.06E-09	.8	0.0)	1394	1.61E-09	.8	0.0)	1396	1.80E-09	.8	0.0)	1398	2.16E-09	.8	0.0)
1400	2.40E-09	.8	0.0)	1402	1.92E-09	.8	0.0)	1404	1.99E-09	.8	0.0)	1406	1.99E-09	.8	0.0)	1408	2.39E-09	.7	0.0)
1410	2.47E-09	.7	0.0)	1412	2.52E-09	.7	0.0)	1414	2.44E-09	.7	0.0)	1416	2.46E-09	.7	0.0)	1418	2.48E-09	.7	0.0)
1420	2.56E-09	.7	0.0)	1422	2.47E-09	.7	0.0)	1424	2.44E-09	.7	0.0)	1426	2.68E-09	.7	0.0)	1428	2.60E-09	.7	0.0)
1430	2.45E-09	.7	0.0)	1432	2.46E-09	.7	0.0)	1434	2.56E-09	.7	0.0)	1436	2.42E-09	.7	0.0)	1438	2.23E-09	.7	0.0)
1440	2.26E-09	.7	0.0)	1442	2.24E-09	.7	0.0)	1444	2.34E-09	.7	0.0)	1446	2.52E-09	.7	0.0)	1448	2.67E-09	.6	0.0)
1450	2.54E-09	.7	0.0)	1452	2.32E-09	.7	0.0)	1454	2.48E-09	.7	0.0)	1456	2.45E-09	.7	0.0)	1458	2.43E-09	.7	0.0)
1460	2.21E-09	.7	0.0)	1462	2.38E-09	.7	0.0)	1464	2.53E-09	.7	0.0)	1466	2.16E-09	.7	0.0)	1468	2.10E-09	.7	0.0)
1470	2.32E-09	.7	0.0)	1472	2.24E-09	.6	0.0)	1474	2.24E-09	.6	0.0)	1476	2.23E-09	.6	0.0)	1478	2.49E-09	.6	0.0)
1480	2.42E-09	.6	0.0)	1482	2.24E-09	.6	0.0)	1484	2.10E-09	.6	0.0)	1486	2.11E-09	.6	0.0)	1488	2.29E-09	.6	0.0)
1490	2.29E-09	.6	0.0)	1492	2.33E-09	.6	0.0)	1494	2.27E-09	.6	0.0)	1496	2.16E-09	.6	0.0)	1498	2.26E-09	.6	0.0)
1500	2.33E-09	.6	0.0)	1502	2.31E-09	.6	0.0)	1504	2.16E-09	.6	0.0)	1506	2.03E-09	.6	0.0)	1508	1.98E-09	.6	0.0)
1510	1.94E-09	.6	0.0)	1512	1.98E-09	.6	0.0)	1514	2.03E-09	.6	0.0)	1516	1.99E-09	.6	0.0)	1518	1.93E-09	.6	0.0)
1520	1.97E-09	.6	0.0)	1522	2.07E-09	.6	0.0)	1524	2.05E-09	.6	0.0)	1526	2.04E-09	.6	0.0)	1528	2.04E-09	.5	0.0)
1530	2.17E-09	.5	0.0)	1532	1.97E-09	.6	0.0)	1534	1.79E-09	.6	0.0)	1536	1.78E-09	.6	0.0)	1538	2.00E-09	.5	0.0)
1540	2.11E-09	.5	0.0)	1542	2.00E-09	.5	0.0)	1544	1.91E-09	.5	0.0)	1546	1.84E-09	.5	0.0)	1548	1.86E-09	.5	0.0)
1550	1.92E-09	.5	0.0)	1552	1.91E-09	.5	0.0)	1554	2.02E-09	.5	0.0)	1556	2.21E-09	.4	0.0)	1558	2.18E-09	.4	0.0)
1560	2.08E-09	.4	0.0)	1562	2.11E-09	.4	0.0)	1564	2.05E-09	.4	0.0)	1566	1.95E-09	.4	0.0)	1568	1.97E-09	.4	0.0)
1570	2.06E-09	.4	0.0)	1572	2.35E-09	.4	0.0)	1574	2.06E-09	.4	0.0)	1576	2.06E-09	.4	0.0)	1578	2.17E-09	.4	0.0)
1580	2.06E-09	.4	0.0)	1582	2.06E-09	.4	0.0)	1584	2.31E-09	.4	0.0)	1586	2.58E-09	.3	0.0)	1588	2.58E-09	.3	0.0)
1590	2.81E-09	.3	0.0)	1592	2.67E-09	.3	0.0)	1594	2.41E-09	.3	0.0)	1596	2.33E-09	.3	0.0)	1598	2.38E-09	.3	0.0)
1600	2.58E-09	.3	0.0)	1602	2.75E-09	.3	0.0)	1604	2.46E-09	.3	0.0)	1606	2.23E-09	.3	0.0)	1608	2.38E-09	.3	0.0)
1610	2.35E-09	.3	0.0)	1612	2.32E-09	.3	0.0)	1614	2.24E-09	.3	0.0)	1616	2.21E-09	.3	0.0)	1618	2.21E-09	.3	0.0)
1620	2.46E-09	.3	0.0)	1622	2.64E-09	.2	0.0)	1624	2.65E-09	.2	0.0)	1626	2.43E-09	.2	0.0)	1628	2.12E-09	.3	0.0)
1630	1.96E-09	.3	0.0)	1632	1.98E-09	.3	0.0)	1634	2.07E-09	.3	0.0)	1636	2.21E-09	.2	0.0)	1638	2.48E-09	.2	0.0)
1640	2.64E-09	.2	0.0)	1642	2.72E-09	.2	0.0)	1644	2.86E-09	.2	0.0)	1646	2.94E-09	.2	0.0)	1648	2.95E-09	.2	0.0)
1650	2.71E-09	.2	0.0)	1652	2.71E-09	.2	0.0)	1654	2.19E-09	.2	0.0)	1656	2.58E-09	.2	0.0)	1658	3.07E-09	.2	0.0)
1660	3.11E-09	.2	0.0)	1662	2.77E-09	.2	0.0)	1664	2.55E-09	.2	0.0)	1666	2.49E-09	.2	0.0)	1668	2.45E-09	.2	0.0)
1670	2.62E-09	.2	0.0)	1672	2.71E-09	.2	0.0)	1674	2.45E-09	.2	0.0)	1676	2.34E-09	.2	0.0)	1678	2.36E-09	.2	0.0)
1680	2.32E-09	.2	0.0)	1682	2.22E-09	.2	0.0)	1684	2.17E-09	.2	0.0)	1686	2.18E-09	.2	0.0)	1688	2.22E-09	.2	0.0)
1690	2.23E-09	.2	0.0)	1692	2.11E-09	.2	0.0)	1694	2.06E-09	.2	0.0)	1696	2.22E-09	.2	0.0)	1698	2.24E-09	.2	0.0)
1700	1.90E-09	.2	0.0)	1702	1.55E-09	.2	0.0)	1704	1.47E-09	.2	0.0)	1706	1.64E-09	.2	0.0)	1708	1.74E-09	.2	0.0)
1710	1.63E-09	.2	0.0)	1712	1.57E-09	.2	0.0)	1714	1.60E-09	.2	0.0)	1716	1.62E-09	.2	0.0)	1718	1.64E-09	.2	0.0)
1720	1.68E-09	.2	0.0)	1722	1.66E-09	.2	0.0)	1724	1.59E-09	.2	0.0)	1726	1.55E-09	.2	0.0)	1728	1.53E-09	.2	0.0)
1730	1.55E-09	.2	0.0)	1732	1.65E-09	.2	0.0)	1734	1.85E-09	.2	0.0)	1736	1.97E-09	.2	0.0)	1738	.88E-09	.2	0.0)
1740	1.71E-09	.2	0.0)	1742	1.66E-09	.2	0.0)	1744	1.68E-09	.2	0.0)	1746	1.66E-09	.2	0.0)	1748	1.55E-09	.2	0.0)
1750	1.49E-09	.2	0.0)	1752	1.54E-09	.2	0.0)	1754	1.59E-09	.2	0.0)	1756	1.52E-09	.2	0.0)	1758	1.44E-09	.2	0.0)
1760	1.50E-09	.2	0.0)	1762	1.68E-09	.2	0.0)	1764	1.83E-09	.1	0.0)	1766	1.82E-09	.1	0.0)	1768	1.74E-09	.1	0.0)
1770	1.63E-09	.1	0.0)	1772	1.51E-09	.2	0.0)	1774	1.41E-09	.2	0.0)	1776	1.33E-09	.2	0.0)	1778	1.29E-09	.2	0.0)
1780	1.35E-09	.2	0.0)	1782	1.42E-09	.2	0.0)	1784	1.39E-09	.2	0.0)	1786	1.26E-09	.2	0.0)	1788	1.10E-09	.2	0.0)
1790	1.02E-09	.2	0.0)	1792	1.05E-09	.2	0.0)	1794	1.13E-09	.2	0.0)	1796	1.21E-09	.2	0.0)	1798	1.24E-09	.2	0.0)
1800	1.24E-09	.2	0.0)	1802	1.22E-09	.2	0.0)	1804	1.20E-09	.2	0.0)	1806	1.21E-09	.2	0.0)	1808	1.23E-09	.2	0.0)
1810	1.26E-09	.2	0.0)	1812	1.27E-09	.2	0.0)	1814	1.25E-09	.2	0.0)	1816	1.20E-09	.2	0.0)	1818	1.16E-09	.2	0.0)
1820	1.20E-09	.2	0.0)	1822	1.32E-09	.1	0.0)	1824	1.42E-09	.1	0.0)	1826	1.44E-09	.1	0.0)	0	0	0	0.0)
1800E	1.25E-09	.2	0.0)	1805E	1.21E-09	.2	0.0)	1810E	1.26E-09	.2	0.0)	1815E	1.22E-09	.2	0.0)	1820E	1.22E-09	.1	0.0)
1825E	1.42E-09	.1	0.0)	1830E	1.35E-09	.1	0.0)	1835E	1.23E-09	.1	0.0)	1840E	1.16E-09	.1	0.0)	1845E	1.12E-09	.2	0.0)
1850E	9.10E-10	.2	0.0)	1855E	9.64E-10	.2	0.0)	1860E	9.82E-10	.2	0.0)	1865E	8.67E-10	.2	0.0)	1870E	8.60E-10	.2	0.0)
1875E	8.35E-10	.2	0.0)	1880E	8.48E-10	.2	0.0)	1885E	8.92E-10	.2	0.0)	1890E	8.56E-10	.2	0.0)	1895E	8.11E-10	.2	0.0)
1900E	7.95E-10	.2	0.0)	1905E	9.40E-10	.2	0.0)	1910E	9.34E-10	.2	0.0)	1915E	7.56E-10	.2	0.0)	1920E	6.71E-10	.2	0.0)
1925E	7.37E-10	.2	0.0)	1930E	7.73E-10	.2	0.0)	1935E	8.52E-10	.2	0.0)	1940E	9.61E-10	.1	0.0)	1945E	9.55E-10	.1	0.0)
1950E	9.80E-10	.1	0.0)	1955E	9.43E-10	.1	0.0)	1960E	7.95E-10	.1	0.0)	1965E	7.15E-10	.2	0.0)	1970E	6.99E-10	.2	0.0)
1975E	7.14E-10	.2	0.0)	1980E	8.25E-10	.1	0.0)	1985E	9.62E-10	.1	0.0)	1990E	8.60E-10	.1	0.0)	1995E	8.06E-10	.1	0.0)
2000E	8.70E-10	.1	0.0)	2005E	9.43E-10	.1	0.0)	2010E	7.97E-10	.1	0.0)	2015E	6.22E-10	.2	0.0)	2020E	5.82E-10	.2	0.0)
2025E	6.20E-10	.2	0.0)	2030E	6.59E-10	.2	0.0)	2035E	6.52E-10	.2	0.0)	2040E	6.47E-10	.2	0.0)	2045E	7.41E-10	.1	0.0)
2050E	8.47E-10	.1	0.0)	2055E	8.05E-10	.1	0.0)	2060E	7.09E-10	.1	0.0)	2065E	6.78E-10	.2	0.0)	2070E	6.71E-10	.2	0.0)
2075E	6.51E-10	.1	0.0)	2080E	7.04E-10	.1	0.0)	2085E	7.46E-10	.1	0.0)	2090E	6.52E-10	.2	0.0)	2095E	5.27E-10	.2	0.0)
135	.45	.8	0.0)	139	.60	.8	0.0)	148	.51	.6	0.0)	154	.65	.5	0.0)	161E	.46	.3	0.0)
166E	.40	.2	0.0)	172E	.83	.2	0.0)	181E	1.16	.2	0.0)	192E	1.60	.2	0.0)	204	0.00		

A M B D, F (W, S) G				F = AVE FLUX FROM LAM-DE/2 TO LAM-DE/2				A M B D, F (W, S) G				F = AVE FLUX FROM LAM-DE/2 TO LAM-DE/2						
1600, 0.	(0.0)	(0.0)	(0.0)	1602, 0.	(0.0)	(0.0)	(0.0)	1604, 0.	(0.0)	(0.0)	(0.0)	1606, 0.	(0.0)	(0.0)	(0.0)	1608, 1.42E-10	(.4)	(0.0)
1610, 1.47E-10	(.4)	0.0	0.0	1612, 1.38E-10	(.4)	0.0	0.0	1614, 1.36E-10	(.4)	0.0	0.0	1616, 1.49E-10	(.4)	0.0	0.0	1618, 1.46E-10	(.4)	0.0
1620, 1.30E-10	(.4)	0.0	0.0	1622U, 1.19E-10	(.3)	0.0	0.0	1624U, 1.16E-10	(.3)	0.0	0.0	1626, 1.34E-10	(.3)	0.0	0.0	1628U, 1.17E-10	(.3)	0.0
1630U, 9.60E-11	(.3)	0.0	0.0	1632U, 8.78E-11	(.2)	0.0	0.0	1634U, 7.80E-11	(.2)	0.0	0.0	1636U, 7.31E-11	(.2)	0.0	0.0	1638U, 8.78E-11	(.2)	0.0
1640U, 1.06E-10	(.2)	0.0	0.0	1642U, 1.03E-10	(.3)	0.0	0.0	1644, 1.18E-10	(.4)	0.0	0.0	1646, 1.31E-10	(.4)	0.0	0.0	1648, 1.28E-10	(.4)	0.0
1650, 1.24E-10	(.4)	0.0	0.0	1652U, 1.18E-10	(.4)	0.0	0.0	1654, 1.33E-10	(.4)	0.0	0.0	1656, 1.49E-10	(.5)	0.0	0.0	1658, 1.35E-10	(.4)	0.0
1660, 1.13E-10	(.4)	0.0	0.0	1662U, 1.08E-10	(.4)	0.0	0.0	1664, 1.25E-10	(.4)	0.0	0.0	1666, 1.47E-10	(.5)	0.0	0.0	1668, 1.36E-10	(.4)	0.0
1670U, 1.13E-10	(.4)	0.0	0.0	1672U, 1.12E-10	(.5)	0.0	0.0	1674, 1.06E-10	(.4)	0.0	0.0	1676, 1.19E-10	(.4)	0.0	0.0	1678, 1.23E-10	(.4)	0.0
1680, 1.19E-10	(.5)	0.0	0.0	1682, 1.20E-10	(.4)	0.0	0.0	1684, 1.17E-10	(.4)	0.0	0.0	1686, 1.16E-10	(.4)	0.0	0.0	1688, 1.24E-10	(.5)	0.0
1690, 1.29E-10	(.5)	0.0	0.0	1692, 1.29E-10	(.6)	0.0	0.0	1694, 1.30E-10	(.5)	0.0	0.0	1696, 1.14E-10	(.5)	0.0	0.0	1698U, 9.86E-11	(.4)	0.0
1700, 9.78E-11	(.4)	0.0	0.0	1702, 9.30E-11	(.4)	0.0	0.0	1704U, 9.01E-11	(.4)	0.0	0.0	1706, 9.14E-11	(.3)	0.0	0.0	1708U, 8.53E-11	(.3)	0.0
1710, 7.78E-11	(.3)	0.0	0.0	1712U, 7.12E-11	(.3)	0.0	0.0	1714U, 6.56E-11	(.2)	0.0	0.0	1716U, 6.27E-11	(.2)	0.0	0.0	1718U, 6.46E-11	(.2)	0.0
1720U, 7.38E-11	(.3)	0.0	0.0	1722, 8.26E-11	(.4)	0.0	0.0	1724, 9.02E-11	(.4)	0.0	0.0	1726, 9.46E-11	(.5)	0.0	0.0	1728, 9.73E-11	(.5)	0.0
1730, 7.38E-11	(.3)	0.0	0.0	1732, 1.04E-10	(.6)	0.0	0.0	1734, 1.06E-10	(.7)	0.0	0.0	1736, 1.25E-10	(.5)	0.0	0.0	1738, 9.78E-11	(.4)	0.0
1740, 7.39E-11	(.3)	0.0	0.0	1742, 7.32E-11	(.7)	0.0	0.0	1744, 7.32E-11	(.4)	0.0	0.0	1746, 7.38E-11	(.5)	0.0	0.0	1748, 9.99E-11	(.7)	0.0
1750, 9.10E-11	(.6)	0.0	0.0	1752, 1.01E-10	(.7)	0.0	0.0	1754, 1.06E-10	(.7)	0.0	0.0	1756, 1.08E-10	(.7)	0.0	0.0	1758, 1.05E-10	(.7)	0.0
1760, 9.98E-11	(.7)	0.0	0.0	1762, 9.83E-11	(.7)	0.0	0.0	1764, 1.00E-10	(.7)	0.0	0.0	1766, 1.00E-10	(.7)	0.0	0.0	1768, 9.82E-11	(.7)	0.0
1770, 9.54E-11	(.7)	0.0	0.0	1772, 9.55E-11	(.7)	0.0	0.0	1774, 9.62E-11	(.7)	0.0	0.0	1776, 9.52E-11	(.7)	0.0	0.0	1778, 9.27E-11	(.7)	0.0
1780, 9.24E-11	(.7)	0.0	0.0	1782, 9.31E-11	(.7)	0.0	0.0	1784, 9.14E-11	(.7)	0.0	0.0	1786, 8.75E-11	(.7)	0.0	0.0	1788, 8.35E-11	(.7)	0.0
1790, 8.29E-11	(.7)	0.0	0.0	1792, 8.85E-11	(.7)	0.0	0.											

 $R = 0.68$

$R = 0.63$

R = 1.00+-





LAMBDA, F (WT, SIG)	F = AVE FLUX FROM LAM-DEL/2 TO LAM-DEL/2	LAMBDA, F (WT, SIG)	F = AVE FLUX FROM LAM-DEL/2 TO LAM-DEL/2	LAMBDA, F (WT, SIG)	F = AVE FLUX FROM LAM-DEL/2 TO LAM-DEL/2
1370, 0. (0.0 0.0)	1372, 0. (0.0 0.0)	1374, 0. (0.0 0.0)	1376, 0. (0.0 0.0)	1378, 0. (0.0 0.0)	1380, 0. (0.0 0.0)
1380U 1.05E-09(1.1 0.0)	1382U 1.26E-09(1.1 0.0)	1384U 1.05E-09(1.1 0.0)	1386U 9.78E-10(1.1 0.0)	1388U 1.18E-09(1.1 0.0)	1390U 9.78E-10(1.1 0.0)
1390U 8.92E-10(1.1 0.0)	1392U 8.41E-10(1.1 0.0)	1394U 9.77E-10(1.1 0.0)	1396U 9.78E-10(1.1 0.0)	1398U 9.78E-10(1.1 0.0)	1400U 9.78E-10(1.1 0.0)
1400U 9.36E-10(1.2 0.0)	1402, 1.38E-09(1.3 0.0)	1404U 1.43E-09(1.4 0.0)	1406U 1.36E-09(1.4 0.0)	1408U 1.05E-09(1.3 0.0)	1410U 9.69E-10(1.3 0.0)
1410U 9.69E-10(1.3 0.0)	1412U 1.41E-09(1.3 0.0)	1414U 1.25E-09(1.3 0.0)	1416U 1.18E-09(1.4 0.0)	1418U 1.05E-09(1.3 0.0)	1420U 1.19E-09(1.4 0.0)
1420U 1.19E-09(1.4 0.0)	1422U 1.08E-09(1.4 0.0)	1424U 1.31E-09(1.4 0.0)	1426, 1.43E-09(1.4 0.0)	1428, 1.37E-09(1.4 0.0)	1430, 1.35E-09(1.4 0.0)
1430, 1.35E-09(1.4 0.0)	1432, 1.35E-09(1.4 0.0)	1434, 1.33E-09(1.4 0.0)	1436, 1.30E-09(1.4 0.0)	1438, 1.17E-09(1.4 0.0)	1440, 1.33E-09(1.4 0.0)
1440, 1.33E-09(1.4 0.0)	1442, 1.36E-09(1.4 0.0)	1444, 1.40E-09(1.4 0.0)	1446, 1.47E-09(1.4 0.0)	1448, 1.37E-09(1.4 0.0)	1450, 1.43E-09(1.4 0.0)
1450, 1.43E-09(1.4 0.0)	1452, 1.37E-09(1.4 0.0)	1454, 1.34E-09(1.4 0.0)	1456, 1.44E-09(1.4 0.0)	1458, 1.45E-09(1.4 0.0)	1460, 1.47E-09(1.4 0.0)
1460, 1.47E-09(1.4 0.0)	1462, 1.36E-09(1.4 0.0)	1464, 1.44E-09(1.4 0.0)	1466, 1.45E-09(1.4 0.0)	1468, 1.36E-09(1.4 0.0)	1470, 1.32E-09(1.4 0.0)
1470, 1.32E-09(1.4 0.0)	1472, 1.26E-09(1.4 0.0)	1474, 1.37E-09(1.4 0.0)	1476, 1.37E-09(1.4 0.0)	1478, 1.32E-09(1.4 0.0)	1480, 1.28E-09(1.4 0.0)
1480, 1.28E-09(1.4 0.0)	1482, 1.24E-09(1.4 0.0)	1484, 1.29E-09(1.4 0.0)	1486, 1.31E-09(1.4 0.0)	1488, 1.42E-09(1.4 0.0)	1490, 1.37E-09(1.4 0.0)
1490, 1.37E-09(1.4 0.0)	1492, 1.21E-09(1.4 0.0)	1494, 1.13E-09(1.4 0.0)	1496, 1.18E-09(1.4 0.0)	1498, 1.16E-09(1.4 0.0)	1500, 1.07E-09(1.4 0.0)
1500, 1.07E-09(1.4 0.0)	1502, 1.06E-09(1.4 0.0)	1504, 1.14E-09(1.4 0.0)	1506, 1.14E-09(1.4 0.0)	1508, 1.11E-09(1.4 0.0)	1510, 1.14E-09(1.4 0.0)
1510, 1.14E-09(1.4 0.0)	1512, 1.17E-09(1.4 0.0)	1514, 1.14E-09(1.4 0.0)	1516, 1.14E-09(1.4 0.0)	1518, 1.19E-09(1.4 0.0)	1520, 1.26E-09(1.4 0.0)
1520, 1.26E-09(1.4 0.0)	1522, 1.30E-09(1.4 0.0)	1524, 1.21E-09(1.4 0.0)	1526, 1.18E-09(1.4 0.0)	1528, 1.11E-09(1.4 0.0)	1530, 9.82E-10(1.4 0.0)
1530, 9.82E-10(1.4 0.0)	1532, 9.50E-10(1.4 0.0)	1534, 9.76E-10(1.4 0.0)	1536, 1.01E-09(1.4 0.0)	1538, 9.99E-10(1.4 0.0)	1540, 1.00E-09(1.4 0.0)
1540, 1.00E-09(1.4 0.0)	1542, 9.63E-10(1.4 0.0)	1544, 9.33E-10(1.4 0.0)	1546, 9.23E-10(1.4 0.0)	1548, 9.40E-10(1.4 0.0)	1550, 1.09E-09(1.4 0.0)
1550, 1.09E-09(1.4 0.0)	1552, 1.22E-09(1.4 0.0)	1554, 1.29E-09(1.4 0.0)	1556, 1.30E-09(1.4 0.0)	1558, 1.21E-09(1.4 0.0)	1560, 1.14E-09(1.4 0.0)
1560, 1.14E-09(1.4 0.0)	1562, 1.10E-09(1.4 0.0)	1564, 1.15E-09(1.4 0.0)	1566, 1.13E-09(1.4 0.0)	1568, 1.12E-09(1.4 0.0)	1570, 1.12E-09(1.4 0.0)
1570, 1.12E-09(1.4 0.0)	1572, 1.12E-09(1.4 0.0)	1574, 1.13E-09(1.4 0.0)	1576, 1.14E-09(1.4 0.0)	1578, 1.20E-09(1.4 0.0)	1580, 1.24E-09(1.4 0.0)
1580, 1.24E-09(1.4 0.0)	1582, 1.31E-09(1.4 0.0)	1584, 1.30E-09(1.4 0.0)	1586, 1.30E-09(1.4 0.0)	1588, 1.30E-09(1.4 0.0)	1590, 1.32E-09(1.4 0.0)
1590, 1.32E-09(1.4 0.0)	1592, 1.30E-09(1.4 0.0)	1594, 1.30E-09(1.4 0.0)	1596, 1.27E-09(1.4 0.0)	1598, 1.21E-09(1.4 0.0)	1600, 1.18E-09(1.4 0.0)
1600, 1.18E-09(1.4 0.0)	1602, 1.21E-09(1.4 0.0)	1604, 1.20E-09(1.4 0.0)	1606, 1.08E-09(1.4 0.0)	1608, 1.02E-09(1.4 0.0)	1610, 1.05E-09(1.4 0.0)
1610, 1.05E-09(1.4 0.0)	1612, 1.08E-09(1.4 0.0)	1614, 1.10E-09(1.4 0.0)	1616, 1.14E-09(1.4 0.0)	1618, 1.09E-09(1.4 0.0)	1620, 1.10E-09(1.4 0.0)
1620, 1.10E-09(1.4 0.0)	1622, 1.14E-09(1.4 0.0)	1624, 1.13E-09(1.4 0.0)	1626, 1.10E-09(1.4 0.0)	1628, 1.05E-09(1.4 0.0)	1630, 1.05E-09(1.4 0.0)
1630, 1.05E-09(1.4 0.0)	1632, 1.09E-09(1.4 0.0)	1634, 1.14E-09(1.4 0.0)	1636, 1.17E-09(1.4 0.0)	1638, 1.14E-09(1.4 0.0)	1640, 1.13E-09(1.4 0.0)
1640, 1.13E-09(1.4 0.0)	1642, 1.16E-09(1.4 0.0)	1644, 1.20E-09(1.4 0.0)	1646, 1.25E-09(1.4 0.0)	1648, 1.30E-09(1.4 0.0)	1650, 1.32E-09(1.4 0.0)
1650, 1.32E-09(1.4 0.0)	1652, 1.32E-09(1.4 0.0)	1654, 1.29E-09(1.4 0.0)	1656, 1.25E-09(1.4 0.0)	1658, 1.20E-09(1.4 0.0)	1660, 1.20E-09(1.4 0.0)
1660, 1.20E-09(1.4 0.0)	1662, 1.22E-09(1.4 0.0)	1664, 1.23E-09(1.4 0.0)	1666, 1.24E-09(1.4 0.0)	1668, 1.29E-09(1.4 0.0)	1670, 1.32E-09(1.4 0.0)
1670, 1.32E-09(1.4 0.0)	1672, 1.28E-09(1.4 0.0)	1674, 1.23E-09(1.4 0.0)	1676, 1.27E-09(1.4 0.0)	1678, 1.36E-09(1.4 0.0)	1680, 1.35E-09(1.4 0.0)
1680, 1.35E-09(1.4 0.0)	1682, 1.31E-09(1.4 0.0)	1684, 1.32E-09(1.4 0.0)	1686, 1.38E-09(1.4 0.0)	1688, 1.41E-09(1.4 0.0)	1690, 1.41E-09(1.4 0.0)
1690, 1.41E-09(1.4 0.0)	1692, 1.36E-09(1.4 0.0)	1694, 1.29E-09(1.4 0.0)	1696, 1.25E-09(1.4 0.0)	1698, 1.20E-09(1.4 0.0)	1700, 1.18E-09(1.4 0.0)
1700, 1.18E-09(1.4 0.0)	1702, 1.21E-09(1.4 0.0)	1704, 1.21E-09(1.4 0.0)	1706, 1.17E-09(1.4 0.0)	1708, 1.17E-09(1.4 0.0)	1710, 1.14E-09(1.4 0.0)
1710, 1.14E-09(1.4 0.0)	1712, 1.10E-09(1.4 0.0)	1714, 1.13E-09(1.4 0.0)	1716, 1.13E-09(1.4 0.0)	1718, 1.09E-09(1.4 0.0)	1720, 1.02E-09(1.4 0.0)
1720, 1.02E-09(1.4 0.0)	1722, 9.88E-10(1.4 0.0)	1724, 9.94E-10(1.4 0.0)	1726, 1.01E-09(1.4 0.0)	1728, 1.04E-09(1.4 0.0)	1730, 1.07E-09(1.4 0.0)
1730, 1.07E-09(1.4 0.0)	1732, 1.09E-09(1.4 0.0)	1734, 1.10E-09(1.4 0.0)	1736, 1.09E-09(1.4 0.0)	1738, 1.09E-09(1.4 0.0)	1740, 1.11E-09(1.4 0.0)
1740, 1.11E-09(1.4 0.0)	1742, 1.09E-09(1.4 0.0)	1744, 1.07E-09(1.4 0.0)	1746, 1.07E-09(1.4 0.0)	1748, 1.06E-09(1.4 0.0)	1750, 1.03E-09(1.4 0.0)
1750, 1.03E-09(1.4 0.0)	1752, 9.94E-10(1.4 0.0)	1754, 9.80E-10(1.4 0.0)	1756, 9.99E-10(1.4 0.0)	1758, 1.03E-09(1.4 0.0)	1760, 1.07E-09(1.4 0.0)
1760, 1.07E-09(1.4 0.0)	1762, 1.09E-09(1.4 0.0)	1764, 1.08E-09(1.4 0.0)	1766, 1.02E-09(1.4 0.0)	1768, 9.52E-10(1.4 0.0)	1770, 9.50E-10(1.4 0.0)
1770, 9.50E-10(1.4 0.0)	1772, 9.76E-10(1.4 0.0)	1774, 9.68E-10(1.4 0.0)	1776, 9.24E-10(1.4 0.0)	1778, 8.88E-10(1.4 0.0)	1780, 8.71E-10(1.4 0.0)
1780, 8.71E-10(1.4 0.0)	1782, 8.79E-10(1.4 0.0)	1784, 8.78E-10(1.4 0.0)	1786, 8.78E-10(1.4 0.0)	1788, 8.83E-10(1.4 0.0)	1790, 8.99E-10(1.4 0.0)
1790, 8.99E-10(1.4 0.0)	1792, 8.16E-10(1.4 0.0)	1794, 8.95E-10(1.4 0.0)	1796, 8.83E-10(1.4 0.0)	1798, 8.93E-10(1.4 0.0)	1800, 9.04E-10(1.4 0.0)
1800, 9.04E-10(1.4 0.0)	1802, 9.05E-10(1.4 0.0)	1804, 9.24E-10(1.4 0.0)	1806, 9.73E-10(1.4 0.0)	1808, 1.02E-09(1.4 0.0)	1810, 1.01E-09(1.4 0.0)
1810, 1.01E-09(1.4 0.0)	1812, 9.64E-10(1.4 0.0)	1814, 9.18E-10(1.4 0.0)	1816, 8.88E-10(1.4 0.0)	1818, 8.72E-10(1.4 0.0)	1820, 8.64E-10(1.4 0.0)
1820, 8.64E-10(1.4 0.0)	1822, 8.66E-10(1.4 0.0)	1824, 8.84E-10(1.4 0.0)	1826, 8.98E-10(1.4 0.0)	0, 0. (0.0 0.0)	0, 0. (0.0 0.0)
1800, 9.02E-10(1.1 3.4)	1805, 9.49E-10(1.1 2.4)	1810, 1.01E-09(1.1 5.8)	1815, 9.05E-10(1.1 7.2)	1820, 8.65E-10(1.1 1.9)	1825, 8.91E-10(1.1 7.4)
1825, 8.91E-10(1.1 7.4)	1830, 8.74E-10(1.1 4.9)	1835, 8.89E-10(1.1 10.2)	1840, 8.90E-10(1.1 7.7)	1845, 7.33E-10(1.1 2.1)	1850, 6.73E-10(1.1 4.4)
1850, 6.73E-10(1.1 4.4)	1855, 6.55E-10(1.1 2.1)	1860, 6.67E-10(1.1 4.5)	1865, 6.87E-10(1.1 7.1)	1870, 6.88E-10(1.1 9.9)	1875, 7.35E-10(1.1 4.0)
1875, 7.35E-10(1.1 4.0)	1880, 7.67E-10(1.1 2.8)	1885, 7.18E-10(1.1 6.9)	1890, 6.41E-10(1.1 2.9)	1895, 5.52E-10(1.1 2.0)	1900, 5.82E-10(1.1 2.7)
1900, 5.82E-10(1.1 2.7)	1905, 6.22E-10(1.1 2.2)	1910, 6.16E-10(1.1 2.1)	1915, 6.05E-10(1.1 4.8)	1920, 6.22E-10(1.1 3.3)	1925, 6.26E-10(1.1 3.2)
1925, 6.26E-10(1.1 3.2)	1930, 6.14E-10(1.1 4.6)	1935, 5.78E-10(1.1 4.6)	1940, 5.98E-10(1.1 1.1)	1945, 6.19E-10(1.1 3.1)	1950, 5.92E-10(1.1 2.5)
1950, 5.92E-10(1.1 2.5)	1955, 5.66E-10(1.1 5.0)	1960, 5.69E-10(1.1 1.6)	1965, 5.72E-10(1.1 2.7)	1970, 5.63E-10(1.1 4.8)	1975, 6.12E-10(1.1 6.3)
1975, 6.12E-10(1.1 6.3)	1980, 6.48E-10(1.1 2.3)	1985, 6.20E-10(1.1 0.6)	1990, 5.80E-10(1.1 1.6)	1995, 5.50E-10(1.1 1.7)	2000, 5.02E-10(1.1 2.2)
2000, 5.02E-10(1.1 2.2)	2005, 4.78E-10(1.1 5.7)	2010, 5.02E-10(1.1 9.3)	2015, 5.14E-10(1.1 5.8)	2020, 5.36E-10(1.1 9.3)	2025, 5.85E-10(1.1 21.8)
2025, 5.85E-10(1.1 21.8)	2030, 6.00E-10(1.1 24.9)	2035, 6.11E-10(1.1 20.6)	2040, 6.28E-10(1.1 19.3)	2045, 5.81E-10(1.1 21.9)	2050, 5.34E-10(1.1 22.8)
2050, 5.34E-10(1.1 22.8)	2055, 5.31E-10(1.1 18.1)	2060, 5.33E-10(1.1 15.0)	2065, 5.20E-10(1.1 16.7)	2070, 5.32E-10(1.1 20.8)	2075, 5.57E-10(1.1 24.5)
2075, 5.57E-10(1.1 24.5)	2080, 5.63E-10(1.1 23.2)	2085, 5.43E-10(1.1 17.9)	2090, 5.05E-10(1.1 20.3)	2095, 4.77E-10(1.1 25.7)	2100, 4.58E-10(1.1 23.0)
2100, 4.58E-10(1.1 23.0)	2105, 4.63E-10(1.1 19.2)	2110, 4.77E-10(1.1 21.3)	2115, 4.70E-10(1.1 22.9)	2120, 4.65E-10(1.1 18.9)	2125, 4.81E-10(1.1 14.6)
2125, 4.81E-10(1.1 14.6)	2130, 4.82E-10(1.1 7.13)	2135, 4.61E-10(1.1 15.4)	2140, 4.51E-10(1.1 24.5)	2145, 4.51E-10(1.1 30.1)	2150, 4.55E-10(1.1 23.8)
2150, 4.55E-10(1.1 23.8)	2155E 4.67E-10(1.1 7.14)	2160E 4.66E-10(1.1 7.14)	2165, 4.47E-10(1.1 21.0)	2170, 4.31E-10(1.1 25.3)	2175E 4.34E-10(1.1 25.7)
2175E 4.34E-10(1.1 25.7)	2180E 4.64E-10(1.1 6.26)	2185E 4.78E-10(1.1 6.29)	2190E 4.36E-10(1.1 29.6)	2195, 3.90E-10(1.1 26.7)	2200, 3.71E-10(1.1 25.3)
2200, 3.71E-10(1.1 25.3)	2205, 3.57E-10(1.1 25.9)	2210, 3.51E-10(1.1 25.7)	2215, 3.81E-10(1.1 23.1)	2220E 4.39E-10(1.1 21.3)	2225E 4.73E-10(1.1 22.6)
2225E 4.73E-10(1.1 22.6)	2230E 4.61E-10(1.1 6.25)	2235E 4.30E-10(1.1 6.28)	2240E 3.99E-10(1.1 6.30)	2245E 3.80E-10(1.1 31.8)	2250E 3.90E-10(1.1 6.29)
2250E 3.90E-10(1.1 6.29)	2255E 4.25E-10(1.1 6.26)	2260E 4.58E-10(1.1 22.9)	2265E 4.68E-10(1.1 18.4)	2270E 4.56E-10(1.1 13.0)	2275E 4.27E-10(1.1 5.10)
2275E 4.27E-10(1.1 5.10)	2280E 3.83E-10(1.1 6.12)	2285E 3.45E-10(1.1 6.14)	2290E 3.38E-10(1.1 6.15)	2295E 3.59E-10(1.1 6.16)	2300E 3.90E-10(1.1 6.20)
2300E 3.90E-10(1.1 6.20)	2305E 4.10E-10(1.1 5.25)	2310E 4.11E-10(1.1 5.30)	2315E 4.01E-10(1.1 5.32)	0, 0. (0.0 0.0)	0, 0. (0.0 0.0)
2300E 3.83E-10(1.1 5.21)	2310E 4.08E-10(1.1 5.30)	2320E 3.90E-10(1.1 5.33)	2330E 3.82E-10(1.1 5.36)	2340E 3.75E-10(1.1 5.38)	2350E 3.67E-10(1.1 5.30)
2350E 3.67E-10(1.1 5.30)	2360E 3.46E-10(1.1 5.30)	2370E 3.41E-10(1.1 5.29)	2380E 3.78E-10(1.1 5.27)	2390E 3.91E-10(1.1 5.37)	2400E 3.64E-10(1.1 5.40)
2400E 3.64E-10(1.1 5.40)	2410E 3.45E-10(1.1 5.36)	2420E 3.54E-10(1.1 5.32)	2430E 3.74E-10(1.1 5.32)	2440E 3.54E-10(1.1 5.34)	2450E 3.42E-10(1.1 5.35)
2450E 3.42E-10(1.1 5.35)	2460E 3.63E-10(1.1 4.29)	2470E 3.80E-10(1.1 4.24)	2480E 3.89E-10(1.1 4.28)	2490E 3.82E-10(1.1 4.39)	2500E 3.54E-10(1.1 4.47)
2500E 3.54E-10(1.1 4.47)	2510E 3.32E-10(1.1 4.46)	2520E 3.33E-10(1.1 4.41)	2530E 3.32E-10(1.1 4.40)	2540E 3.17E-10(1.1 4.43)	2550E 3.02E-10(1.1 4.47)
2550E 3.02E-10(1.1 4.47)	2560E 2.96E				



X,Y(NM)	11.1	18.3	SL4-119	11 SCANS, T= 272	DEL CMA	WT	.6, SCALE 1.43
X,Y(NM)	12.7	17.2	SL4-117	21 SCANS, T= 222	DEL CMA	WT	.7, SCALE 1.12
X,Y(NM)	12.7	17.2	SL4-118	22 SCANS, T= 75	DEL CMA	WT	.7, SCALE 1.48

 $R = <0.74>$ 

HD 54893

LAMBDA, F (WT, SIG)				F = AVE FLUX FROM LAM-DEL/2 TO LAM-DEL/2				LAMBDA, F (WT, SIG)				F = AVE FLUX FROM LAM-DEL/2 TO LAM-DEL/2				LAMBDA, F (WT, SIG)				F = AVE FLUX FROM LAM-DEL/2 TO LAM-DEL/2			
13760	5.02E-09	.1	0.0	13720	5.73E-09	.1	0.0	13740	5.60E-09	.1	0.0	13760	6.02E-09	.2	0.0	13780	6.65E-09	.2	0.0	13800	7.19E-09	.2	0.0
13800	7.87E-09	.2	0.0	13820	5.25E-09	.2	0.0	13840	6.14E-09	.2	0.0	13860	4.67E-09	.2	0.0	13880	4.51E-09	.1	0.0	13900	2.55E-09	.1	0.0
13900	2.55E-09	.1	0.0	13920	1.72E-09	.1	0.0	13940	3.76E-09	.1	0.0	13960	9.03E-10	.1	0.0	13980	2.87E-09	.1	0.0	14000	3.91E-09	.1	0.0
14000	3.91E-09	.1	0.0	14020	4.87E-09	.2	0.0	14040	4.67E-09	.3	0.0	14060	5.23E-09	.2	0.0	14080	3.62E-09	.2	0.0	14100	3.73E-09	.2	0.0
14100	3.73E-09	.2	0.0	14120	4.64E-09	.3	0.0	14140	4.27E-09	.3	0.0	14160	5.00E-09	.3	0.0	14180	3.48E-09	.2	0.0	14200	3.57E-09	.2	0.0
14200	3.57E-09	.2	0.0	14220	3.77E-09	.3	0.0	14240	3.51E-09	.2	0.0	14260	2.88E-09	.2	0.0	14280	3.88E-09	.2	0.0	14300	3.57E-09	.3	0.0
14300	3.57E-09	.3	0.0	14320	3.77E-09	.3	0.0	14340	3.44E-09	.4	0.0	14360	4.05E-09	.4	0.0	14380	3.47E-09	.3	0.0	14400	3.48E-09	.4	0.0
14400	3.48E-09	.4	0.0	14420	3.81E-09	.4	0.0	14440	3.72E-09	.4	0.0	14460	3.53E-09	.3	0.0	14480	3.47E-09	.3	0.0	14500	2.99E-09	.3	0.0
14500	2.99E-09	.3	0.0	14520	3.53E-09	.4	0.0	14540	4.25E-09	.4	0.0	14560	3.27E-09	.4	0.0	14580	2.39E-09	.2	0.0	14600	1.38E-09	.1	0.0
14600	1.38E-09	.1	0.0	14620	8.26E-10	.1	0.0	14640	2.15E-09	.2	0.0	14660	2.90E-09	.3	0.0	14680	3.28E-09	.4	0.0	14700	3.51E-09	.5	0.0
14700	3.51E-09	.5	0.0	14720	3.72E-09	.5	0.0	14740	3.37E-09	.5	0.0	14760	3.08E-09	.5	0.0	14780	3.55E-09	.6	0.0	14800	4.12E-09	.7	0.0
14800	4.12E-09	.7	0.0	14820	3.62E-09	.6	0.0	14840	3.30E-09	.6	0.0	14860	3.61E-09	.6	0.0	14880	3.60E-09	.6	0.0	14900	2.51E-09	.5	0.0
14900	2.51E-09	.5	0.0	14920	2.66E-09	.6	0.0	14940	3.19E-09	.5	0.0	14960	2.61E-09	.5	0.0	14980	2.75E-09	.5	0.0	15000	2.51E-09	.5	0.0
15000	2.51E-09	.5	0.0	15020	2.66E-09	.6	0.0	15040	3.29E-09	.7	0.0	15060	3.39E-09	.7	0.0	15080	2.94E-09	.7	0.0	15100	3.20E-09	.7	0.0
15100	3.20E-09	.7	0.0	15120	3.37E-09	.7	0.0	15140	3.25E-09	.7	0.0	15160	3.30E-09	.7	0.0	15180	3.33E-09	.7	0.0	15200	3.20E-09	.7	0.0
15200	3.20E-09	.7	0.0	15220	3.39E-09	.7	0.0	15240	3.17E-09	.7	0.0	15260	2.79E-09	.7	0.0	15280	2.49E-09	.6	0.0	15300	2.32E-09	.6	0.0
15300	2.32E-09	.6	0.0	15320	2.36E-09	.6	0.0	15340	3.06E-09	.7	0.0	15360	3.05E-09	.7	0.0	15380	3.31E-09	.7	0.0	15400	3.14E-09	.7	0.0
15400	3.14E-09	.7	0.0	15420	2.59E-09	.7	0.0																

R = 0.21



[illegible]

$R = 0.63$



LAMBDA, F (WT, SIG)				F = AVE FLUX FROM LAM-DEL/2 TO LAM+DEL/2					
1380U	.33E-10(-1.0)	1382U	1.26E-11(-1.0)	1384U	1.23E-24(-1.0)	1386U	9.19E-11(-1.0)	1388U	2.59E-10(-1.0)
1390U	3.19E-10(-1.0)	1392U	1.70E-10(-1.0)	1394U	1.23E-24(-1.0)	1396U	2.27E-11(-1.0)	1398U	1.35E-10(-1.0)
1400U	8.54E-11(-1.0)	1402U	1.23E-24(-1.0)	1404U	1.23E-24(-1.0)	1406U	9.92E-11(-1.0)	1408U	5.5E-10(-1.0)
1410U	6.90E-11(-1.0)	1412U	2.51E-10(-1.0)	1414U	3.69E-10(-2.0)	1416U	3.50E-10(-2.0)	1418U	3.04E-10(-2.0)
1420U	2.67E-10(-2.0)	1422U	3.20E-10(-2.0)	1424U	2.46E-10(-2.0)	1426U	2.01E-10(-1.0)	1428U	9.87E-11(-1.0)
1430U	1.74E-10(-1.0)	1432U	2.27E-10(-2.0)	1434U	3.78E-10(-3.0)	1436U	3.68E-10(-4.0)	1438U	3.71E-10(-5.0)
1440U	4.31E-10(-5.2)	1442U	3.98E-10(-5.2)	1444U	2.81E-10(-4.5)	1446U	2.48E-10(-4.2)	1448U	3.52E-10(-4.4)
1450U	3.66E-10(-5.1)	1452U	3.54E-10(-6.1)	1454U	3.43E-10(-7.3)	1456U	4.26E-10(-8.7)	1458U	4.71E-10(-8.1)
1460U	4.22E-10(-6.8)	1462U	3.63E-10(-8.3)	1464U	3.28E-10(-8.7)	1466U	3.45E-10(-8.4)	1468U	3.60E-10(-9.7)
1470U	3.56E-10(-9.1)	1472U	3.68E-10(-11.9)	1474U	3.84E-10(-10.4)	1476U	3.94E-10(-10.6)	1478U	3.89E-10(-10.7)
1480U	3.04E-10(-10.6)	1482U	3.07E-10(-9.8)	1484U	2.88E-10(-9.3)	1486U	2.40E-10(-9.1)	1488U	2.21E-10(-9.1)
1490U	2.69E-10(-8.7)	1492U	2.79E-10(-9.1)	1494U	2.71E-10(-9.5)	1496U	2.89E-10(-9.1)	1498U	2.75E-10(-9.1)
1500U	2.14E-10(-9.3)	1502U	2.27E-10(-10.3)	1504U	2.73E-10(-10.3)	1506U	2.75E-10(-11.1)	1508U	2.74E-10(-11.1)
1510U	3.06E-10(-1.1)	1512U	2.94E-10(-1.4)	1514U	3.06E-10(-1.3)	1516U	2.96E-10(-1.0)	1518U	2.56E-10(-1.0)
1520U	2.49E-10(-1.1)	1522U	2.85E-10(-1.2)	1524U	2.94E-10(-1.4)	1526U	2.36E-10(-1.1)	1528U	2.24E-10(-1.1)
1530U	2.23E-10(-1.1)	1532U	2.29E-10(-1.4)	1534U	2.08E-10(-1.7)	1536U	1.86E-10(-1.0)	1538U	2.05E-10(-1.6)
1540U	2.46E-10(-1.0)	1542U	2.21E-10(-1.0)	1544U	1.90E-10(-1.7)	1546U	2.00E-10(-9.1)	1548U	1.99E-10(-9.1)
1550U	2.43E-10(-1.1)	1552U	2.01E-10(-1.0)	1554U	2.44E-10(-1.1)	1556U	2.40E-10(-1.2)	1558U	2.9E-10(-1.6)
1560U	2.43E-10(-1.1)	1562U	2.44E-10(-1.4)	1564U	2.37E-10(-1.5)	1566U	2.44E-10(-1.5)	1568U	2.43E-10(-2.1)
1570U	2.76E-10(-1.2)	1572U	2.77E-10(-1.2)	1574U	2.74E-10(-1.4)	1576U	2.58E-10(-1.2)	1578U	2.62E-10(-1.4)
1580U	2.73E-10(-1.4)	1582U	2.82E-10(-1.4)	1584U	2.78E-10(-1.4)	1586U	2.85E-10(-1.4)	1588U	3.01E-10(-1.4)
1590U	2.90E-10(-1.4)	1592U	2.77E-10(-1.4)	1594U	2.81E-10(-1.4)	1596U	2.85E-10(-1.3)	1598U	2.76E-10(-1.2)
1600U	2.75E-10(-1.2)	1602U	2.57E-10(-1.3)	1604U	2.59E-10(-1.4)	1606U	2.53E-10(-1.3)	1608U	2.51E-10(-1.3)
1610U	2.90E-10(-1.4)	1612U	2.41E-10(-1.3)	1614U	2.38E-10(-1.3)	1616U	2.23E-10(-1.2)	1618U	2.09E-10(-1.2)
1620U	1.98E-10(-1.1)	1622U	1.95E-10(-1.2)	1624U	1.36E-10(-1.2)	1626U	2.35E-10(-1.3)	1628U	2.55E-10(-1.4)
1630U	2.53E-10(-1.4)	1632U	2.58E-10(-1.4)	1634U	2.44E-10(-1.4)	1636U	2.44E-10(-1.4)	1638U	2.53E-10(-1.4)
1640U	2.64E-10(-1.4)	1642U	2.74E-10(-1.4)	1644U	2.67E-10(-1.4)	1646U	2.65E-10(-1.4)	1648U	2.64E-10(-1.4)
1650U	2.39E-10(-1.4)	1652U	2.47E-10(-1.4)	1654U	2.60E-10(-1.4)	1656U	2.55E-10(-1.4)	1658U	2.64E-10(-1.4)
1660U	2.53E-10(-1.4)	1662U	2.49E-10(-1.4)	1664U	2.65E-10(-1.4)	1666U	2.65E-		



HD 55958

HR 2741

HD 55958

LAMBDA	F	(WT, SIG)	F = AVE FLUX FROM LAM-DEL/2 TO LAM+DEL/2
1780, 0.0	(0.0, 0.0)	1782, 0.0	(0.0, 0.0)
1790, 1.43E-10	(7.0, 0.0)	1792, 1.32E-10	(6.0, 0.0)
1800, 1.92E-10	(7.0, 0.0)	1802, 1.88E-10	(7.0, 0.0)
1810, 1.69E-10	(7.0, 0.0)	1812, 1.79E-10	(7.0, 0.0)
1820, 1.72E-10	(7.0, 0.0)	1822, 1.70E-10	(7.0, 0.0)
1800, 1.92E-10	(7.0, 0.0)	1805, 1.79E-10	(7.0, 0.0)
1825, 1.74E-10	(7.2, 3.3)	1830, 2.19E-10	(8.5, 5.6)
1850, 2.13E-10	(8.4, 2.2)	1855, 1.96E-10	(8.3, 7.7)
1875, 1.89E-10	(9.1, 3.3)	1880, 2.01E-10	(9.8, 6.6)
1900, 2.17E-10	(9.1, 0.0)	1905, 2.07E-10	(10.8, 4.4)
1925, 1.77E-10	(11.1, 3.1)	1930, 1.77E-10	(11.3, 8.8)
1950, 1.64E-10	(11.1, 4.8)	1955, 1.70E-10	(11.1, 5.3)
1975, 1.92E-10	(11.1, 3.9)	1980, 1.86E-10	(11.1, 5.8)
2000, 2.03E-10	(11.2, 4.8)	2005, 1.90E-10	(11.3, 7.7)
2025, 2.08E-10	(11.2, 6.1)	2030, 1.93E-10	(11.2, 10.0)
2050, 1.96E-10	(11.2, 7.4)	2055, 1.92E-10	(11.2, 4.4)
2075, 1.80E-10	(11.2, 7.7)	2080, 1.68E-10	(11.2, 1.1)
2100, 1.90E-10	(11.1, 6.1)	2105, 1.94E-10	(11.1, 12.7)
2125, 2.24E-10	(11.0, 6.1)	2130, 2.25E-10	(11.0, 2.2)
2150, 2.11E-10	(11.0, 1.5)	2155, 2.05E-10	(11.0, 1.0)
2175, 1.88E-10	(11.1, 8.4)	2180, 1.84E-10	(11.1, 7.0)
2200, 2.00E-10	(11.0, 2.8)	2205, 2.03E-10	(11.0, 4.4)
2225, 1.77E-10	(11.0, 4.4)	2230, 1.82E-10	(11.0, 6.0)
2250, 1.62E-10	(11.0, 12.1)	2255, 1.66E-10	(11.0, 8.4)
2275, 1.75E-10	(11.0, 4.2)	2280, 1.74E-10	(11.0, 4.7)
2300, 1.73E-10	(11.0, 6.5)	2305, 1.71E-10	(11.0, 5.4)
2320, 1.74E-10	(11.0, 6.5)	2310, 1.70E-10	(11.0, 3.5)
2350, 1.63E-10	(11.0, 8.7)	2360, 1.58E-10	(11.0, 8.9)
2400, 1.39E-10	(11.0, 10.8)	2410, 1.39E-10	(11.0, 5.6)
2450, 1.37E-10	(9.1, 1.9)	2460, 1.37E-10	(9.1, 5.5)
2500, 1.17E-10	(9.1, 1.1)	2510, 1.13E-10	(9.1, 9.9)
2550, 1.19E-10	(9.1, 7.0)	2560, 1.21E-10	(9.1, 7.1)
2600, 1.25E-10	(8.19, 8.8)	2610, 1.24E-10	(8.21, 9.9)
2650, 1.18E-10	(8.5, 2.2)	2660, 1.21E-10	(8.1, 1.0)
2700, 1.13E-10	(8.4, 8.8)	2710, 1.16E-10	(8.3, 6.6)
2750, 1.07E-10	(8.8, 8.7)	2760, 1.11E-10	(8.12, 5.5)
2800, 9.64E-11	(8.12, 0.0)	2810, 9.10E-11	(8.15, 9.9)
2850, 9.45E-11	(8.11, 8.8)	2860, 9.16E-11	(8.8, 0.0)
2900, 8.96E-11	(8.12, 4.4)	2910, 8.58E-11	(8.17, 4.4)
2950, 8.16E-11	(8.3, 3.9)	2960, 8.64E-11	(8.7, 6.6)
3000E, 9.89E-11	(7.3, 3.5)	3010E, 9.96E-11	(7.1, 1.5)
3000E, 9.92E-11	(6.3, 3.1)	3020E, 9.91E-11	(6.7, 3.3)
3100E, 8.76E-11	(6.4, 4.5)	3120E, 8.21E-11	(7.6, 6.5)
3200E, 7.82E-11	(7.16, 6.6)	3220E, 7.66E-11	(7.16, 1.1)
3300E, 7.18E-11	(7.8, 7.7)	3320E, 7.26E-11	(7.4, 8.8)
3400, 6.50E-11	(7.4, 4.5)	3420E, 6.71E-11	(7.5, 3.3)
3500, 6.21E-11	(7.6, 8.8)	3520, 5.96E-11	(7.6, 3.3)
3600, 5.02E-11	(7.3, 3.8)	3620, 5.30E-11	(7.3, 3.2)
3700, 5.38E-11	(6.6, 6.6)	3720, 5.18E-11	(6.1, 7.7)
3800, 4.47E-11	(7.2, 2.2)	3820, 4.30E-11	(7.1, 9.9)
3900, 4.24E-11	(7.6, 6.0)	3920, 4.37E-11	(7.5, 2.2)
4000, 4.57E-11	(7.0, 0.0)	4020, 4.54E-11	(7.0, 0.0)
4100, 4.82E-11	(7.0, 0.0)	4120, 5.00E-11	(7.0, 0.0)
135, 0.00(0.0, 0.0)	139, 0.00(0.0, 0.0)	148, 0.00(0.0, 0.0)	154, 0.00(0.0, 0.0)
166, 0.00(0.0, 0.0)	172, 0.00(0.0, 0.0)	181, 0.00(0.0, 0.0)	192, 3.17(1.0, 2.1)
219, 3.20(1.0, 1.5)	245, 3.57(0.9, 6.6)	280, 3.88(0.8, 6.8)	360, 4.49(0.7, 0.0)
161, 0.00(0.0, 0.0)	204, 3.21(1.2, 2.2)	0, 0.00(0.0, 0.0)	0, 0.00(0.0, 0.0)

X,Y(MM) -5.1 -16.9 SL4- 14 20 SCANS, T= 218 HR 2741 WT .7, SCALE .94  
X,Y(MM) -5.1 -16.9 SL4- 15 18 SCANS, T= 73 HR 2741 WT .7, SCALE 1.17

R = 0.43+-

**R = 0.48**

R = 1.05

**R = 0.48**

HD 56139

OMG CMA

HD 56139

LAMBDA, F (WT, SIG)	F = AVE FLUX	FROM LAM-DEL/2 TO LAM-DEL/2	
1420, 0. (0.0 0.0)	1422, 0. (0.0 0.0)	1424, 0. (0.0 0.0)	1426U 1.37E-09(.3 0.0)
1430U 1.51E-09(.2 0.0)	1432U 1.08E-09(.2 0.0)	1434U 1.14E-09(.2 0.0)	1436U 1.40E-09(.2 0.0)
1440U 9.35E-10(.2 0.0)	1442U 1.13E-09(.2 0.0)	1444, 1.13E-09(.2 0.0)	1446, 9.44E-10(.2 6.3)
1450, 1.17E-09(.3 11.6)	1452, 1.16E-09(.4 5.5)	1454, 1.05E-09(.4 25.6)	1456, 1.17E-09(.4 14.1)
1460, 1.27E-09(.6 10.0)	1462, 1.10E-09(.7 12.1)	1464, 1.15E-09(.8 18.4)	1466, 1.34E-09(.8 21.1)
1470, 1.28E-09(.9 21.6)	1472, 1.10E-09(.9 19.3)	1474, 1.20E-09(.1 19.1)	1476, 1.24E-09(.1 19.3)
1480, 1.20E-09(.1 21.2)	1482, 1.22E-09(.1 26.0)	1484, 1.20E-09(.1 16.8)	1486, 1.21E-09(.1 17.0)
1490, 1.14E-09(.1 17.4)	1492, 1.13E-09(.1 19.0)	1494, 1.08E-09(.1 16.6)	1496, 1.16E-09(.1 16.9)
1500, 1.13E-09(.1 17.5)	1502, 1.16E-09(.1 21.8)	1504, 1.12E-09(.1 19.4)	1506, 1.10E-09(.1 20.6)
1510, 1.05E-09(.1 20.0)	1512, 1.08E-09(.1 21.5)	1514, 1.04E-09(.1 20.5)	1516, 1.07E-09(.1 21.5)
1520, 1.03E-09(.1 19.3)	1522, 1.08E-09(.1 19.9)	1524, 1.13E-09(.1 20.4)	1526, 1.05E-09(.1 19.2)
1530, 9.01E-10(.1 8.3)	1532, 1.01E-09(.1 20.6)	1534, 9.88E-10(.1 16.9)	1536, 1.03E-09(.1 12.5)
1540, 8.85E-10(.2 9.8)	1542, 8.79E-10(.1 18.3)	1544, 9.10E-10(.1 20.1)	1546, 9.84E-10(.1 15.1)
1550, 9.91E-10(.1 23.4)	1552, 8.77E-10(.1 19.8)	1554, 9.59E-10(.2 15.8)	1556, 9.49E-10(.2 12.4)
1560, 9.37E-10(.2 13.0)	1562, 9.82E-10(.2 12.6)	1564, 9.65E-10(.2 12.4)	1566, 9.37E-10(.2 13.0)
1570, 9.26E-10(.2 12.3)	1572, 9.45E-10(.2 12.9)	1574, 9.37E-10(.2 13.4)	1576, 9.46E-10(.2 11.3)
1580, 1.05E-09(.2 17.1)	1582, 1.01E-09(.2 16.3)	1584, 9.37E-10(.2 9.6)	1586, 9.06E-10(.2 9.8)
1590, 1.06E-09(.2 18.6)	1592, 9.89E-10(.2 15.9)	1594, 9.81E-10(.2 8.0)	1596, 1.03E-09(.2 10.7)
1600, 9.33E-10(.2 2.6)	1602, 9.51E-10(.2 4.7)	1604, 9.47E-10(.2 12.4)	1606, 9.02E-10(.2 15.8)
1610, 9.54E-10(.2 16.6)	1612, 1.01E-09(.2 7.2)	1614, 9.47E-10(.2 4.4)	1616, 9.16E-10(.2 12.8)
1620, 9.79E-10(.2 9.6)	1622, 9.76E-10(.2 9.6)	1624, 9.69E-10(.2 10.6)	1626, 9.40E-10(.2 8.3)
1630, 9.45E-10(.2 8.7)	1632, 9.77E-10(.2 5.5)	1634, 9.73E-10(.2 5.4)	1636, 9.87E-10(.2 11.5)
1640, 1.02E-09(.2 2.5)	1642, 9.84E-10(.2 6.0)	1644, 9.88E-10(.2 7.0)	1646, 9.56E-10(.2 5.0)
1650, 9.36E-10(.2 6.8)	1652, 9.53E-10(.2 6.9)	1654, 9.35E-10(.2 5.5)	1656, 9.13E-10(.2 4.3)
1660, 8.95E-10(.2 9.6)	1662, 9.45E-10(.2 10.0)	1664, 9.37E-10(.2 9.6)	1666, 8.95E-10(.2 9.3)
1670, 8.74E-10(.2 5.0)	1672, 8.67E-10(.2 3.1)	1674, 8.74E-10(.2 1.8)	1676, 9.18E-10(.2 5.4)
1680, 9.05E-10(.2 7.6)	1682, 8.83E-10(.2 9.8)	1684, 8.45E-10(.2 7.4)	1686, 9.18E-10(.2 5.0)
1690, 9.05E-10(.2 4.4)	1692, 9.14E-10(.2 4.4)	1694, 9.03E-10(.2 6.5)	1696, 8.73E-10(.2 6.5)
1700, 8.25E-10(.2 12.7)	1702, 8.43E-10(.2 12.9)	1704, 8.55E-10(.2 12.0)	1706, 8.41E-10(.2 9.8)
1710, 8.27E-10(.2 8.7)	1712, 8.27E-10(.2 8.6)	1714, 8.11E-10(.2 8.4)	1716, 8.09E-10(.2 7.9)
1720, 8.24E-10(.2 8.5)	1722, 7.99E-10(.1 8.3)	1724, 7.85E-10(.1 8.6)	1726, 7.96E-10(.1 7.5)
1730, 8.18E-10(.1 7.2)	1732, 8.07E-10(.1 6.9)	1734, 7.91E-10(.1 6.6)	1736, 7.90E-10(.1 6.1)
1740, 7.97E-10(.1 9.2)	1742, 7.83E-10(.1 8.6)	1744, 7.77E-10(.1 8.0)	1746, 7.65E-10(.1 9.2)
1750, 7.66E-10(.1 9.4)	1752, 7.49E-10(.1 8.0)	1754, 7.50E-10(.1 8.2)	1756, 7.94E-10(.1 8.1)
1760, 7.93E-10(.1 13.0)	1762, 7.76E-10(.1 9.5)	1764, 7.70E-10(.1 9.7)	1766, 7.40E-10(.1 10.2)
1770, 7.20E-10(.1 6.5)	1772, 7.21E-10(.1 5.7)	1774, 7.30E-10(.1 8.4)	1776, 7.36E-10(.1 8.4)
1780, 7.31E-10(.1 8.9)	1782, 7.17E-10(.1 8.9)	1784, 7.03E-10(.1 8.7)	1786, 6.91E-10(.1 6.8)
1790, 6.72E-10(.1 9.9)	1792, 6.57E-10(.1 7.5)	1794, 6.58E-10(.1 8.4)	1796, 6.78E-10(.1 8.3)
1800, 7.05E-10(.1 8.4)	1802, 6.97E-10(.1 8.4)	1804, 6.96E-10(.1 8.1)	1806, 7.04E-10(.1 8.3)
1810, 7.12E-10(.1 7.1)	1812, 7.21E-10(.1 7.1)	1814, 7.51E-10(.1 7.2)	1816, 7.64E-10(.1 7.4)
1820, 7.28E-10(.1 7.7)	1822, 7.19E-10(.1 7.3)	1824, 7.05E-10(.1 7.1)	1826, 6.77E-10(.1 7.2)
1800, 6.90E-10(.1 8.6)	1805, 6.96E-10(.1 8.6)	1810, 7.23E-10(.1 7.8)	1815, 7.56E-10(.1 7.3)
1825, 6.99E-10(.1 7.3)	1830, 7.48E-10(.1 7.3)	1835, 7.57E-10(.1 7.2)	1840, 6.34E-10(.1 7.2)
1850, 6.47E-10(.1 6.7)	1855, 6.30E-10(.1 6.7)	1860, 6.45E-10(.1 6.9)	1865, 6.39E-10(.1 6.6)
1875, 6.20E-10(.1 5.1)	1880, 6.47E-10(.1 5.6)	1885, 6.96E-10(.1 5.9)	1890, 6.63E-10(.1 5.8)
1900, 5.97E-10(.1 4.7)	1905, 6.05E-10(.1 4.8)	1910, 6.23E-10(.1 4.8)	1915, 6.19E-10(.1 4.6)
1925, 5.77E-10(.1 4.7)	1930, 5.94E-10(.1 4.6)	1935, 6.21E-10(.1 4.6)	1940, 6.08E-10(.1 4.1)
1950, 6.35E-10(.1 3.0)	1955, 6.38E-10(.1 3.1)	1960, 6.52E-10(.1 2.5)	1965, 6.66E-10(.1 2.5)
1975, 6.58E-10(.1 1.7)	1980, 6.37E-10(.1 1.0)	1985, 6.63E-10(.1 1.0)	1990, 6.40E-10(.1 1.0)
2000, 6.58E-10(.1 1.3)	2005, 6.37E-10(.1 1.3)	2010, 6.18E-10(.1 1.3)	2015, 6.41E-10(.1 1.6)
2025, 6.51E-10(.1 1.7)	2030, 6.27E-10(.1 1.7)	2035, 6.37E-10(.1 1.5)	2040, 6.41E-10(.1 1.8)
2050, 6.43E-10(.1 8.0)	2055, 6.46E-10(.1 8.1)	2060, 6.41E-10(.1 8.7)	2065, 6.29E-10(.1 8.8)
2075, 6.14E-10(.1 8.4)	2080, 6.16E-10(.1 7.4)	2085, 6.29E-10(.1 7.2)	2090, 6.21E-10(.1 7.6)
2100, 5.88E-10(.1 7.4)	2105, 5.86E-10(.1 7.2)	2110, 5.90E-10(.1 7.8)	2115, 6.08E-10(.1 7.2)
2125, 6.06E-10(.1 6.2)	2130, 5.98E-10(.1 6.2)	2135, 5.83E-10(.1 5.7)	2140, 5.83E-10(.1 5.7)
2150, 6.00E-10(.1 4.8)	2155, 5.76E-10(.1 4.8)	2160, 5.79E-10(.1 5.0)	2165, 5.92E-10(.1 5.0)
2175, 5.19E-10(.1 6.9)	2180, 5.33E-10(.1 6.6)	2185, 5.14E-10(.1 6.7)	2190, 4.97E-10(.1 6.2)
2200, 5.05E-10(.1 6.7)	2205, 4.93E-10(.1 6.7)	2210, 4.84E-10(.1 6.7)	2215, 4.85E-10(.1 6.6)
2225, 4.97E-10(.1 5.8)	2230, 5.23E-10(.1 5.7)	2235, 5.47E-10(.1 5.7)	2240, 5.49E-10(.1 5.6)
2250, 5.31E-10(.1 5.6)	2255, 5.22E-10(.1 5.7)	2260, 5.10E-10(.1 5.7)	2265, 5.00E-10(.1 5.8)
2275, 5.04E-10(.1 4.2)	2280, 5.02E-10(.1 4.2)	2285, 4.88E-10(.1 4.2)	2290, 4.71E-10(.1 4.0)
2300, 4.46E-10(.1 5.7)	2305, 4.38E-10(.1 5.7)	2310, 4.21E-10(.1 5.3)	2315, 4.31E-10(.1 5.6)
2300, 4.44E-10(.1 5.2)	2310, 4.40E-10(.1 5.2)	2320, 4.21E-10(.1 5.2)	2330, 3.86E-10(.1 5.9)
2350, 4.22E-10(.1 5.2)	2360, 4.07E-10(.1 5.2)	2370, 3.89E-10(.1 4.8)	2380, 4.24E-10(.1 4.9)
2400, 4.79E-10(.1 4.3)	2410, 4.06E-10(.1 4.3)	2420, 3.59E-10(.1 4.3)	2430, 3.93E-10(.1 4.5)
2450, 4.86E-10(.1 4.4)	2460, 4.80E-10(.1 3.9)	2470, 4.45E-10(.1 3.3)	2480, 4.15E-10(.1 3.0)
2500, 4.63E-10(.1 3.1)	2510, 4.49E-10(.1 3.6)	2520, 4.13E-10(.1 3.8)	2530, 3.96E-10(.1 3.6)
2550, 4.52E-10(.1 3.2)	2560, 3.97E-10(.1 3.2)	2570, 3.25E-10(.1 2.3)	2580, 3.08E-10(.1 2.4)
2600, 3.85E-10(.1 3.1)	2610, 3.65E-10(.1 3.0)	2620, 3.24E-10(.1 2.6)	2630, 2.94E-10(.1 2.6)
2650, 2.79E-10(.1 4.3)	2660, 3.95E-10(.1 3.0)	2670, 3.13E-10(.1 2.7)	2680, 3.21E-10(.1 2.9)
2700, 3.13E-10(.1 4.3)	2710, 2.95E-10(.1 3.4)	2720, 2.80E-10(.1 4.1)	2730, 2.73E-10(.1 3.8)
2750, 2.86E-10(.1 3.4)	2760, 2.98E-10(.1 3.4)	2770, 3.03E-10(.1 3.6)	2780, 2.94E-10(.1 2.7)
2800, 2.60E-10(.1 2.1)	2810, 2.51E-10(.1 2.4)	2820, 2.45E-10(.1 3.6)	2830, 2.36E-10(.1 2.7)
2850, 2.25E-10(.1 2.9)	2860, 2.29E-10(.1 3.3)	2870, 2.33E-10(.1 3.3)	2880, 2.34E-10(.1 2.8)
2900, 2.42E-10(.1 2.7)	2910, 2.48E-10(.1 2.7)	2920, 2.47E-10(.1 2.9)	2930, 2.27E-10(.1 2.6)
2950, 1.87E-10(.1 3.4)	2960, 1.84E-10(.1 3.9)	2970, 1.92E-10(.1 4.6)	2980, 2.03E-10(.1 5.1)
3000, 2.15E-10(.1 5.4)	3010, 2.09E-10(.1 5.2)	3020, 2.04E-10(.1 4.8)	3030, 1.97E-10(.1 4.4)
3000, 2.20E-10(.1 5.2)	3020, 2.08E-10(.1 4.7)	3040, 2.00E-10(.1 4.8)	3060, 1.99E-10(.1 3.6)
3100, 1.66E-10(.1 2.8)	3120, 1.64E-10(.1 2.7)	3140, 1.74E-10(.1 2.9)	3160, 1.83E-10(.1 3.0)
3200, 1.68E-10(.1 2.7)	3220, 1.66E-10(.1 2.4)	3240, 1.68E-10(.1 2.2)	3260, 1.58E-10(.1 2.9)
3300, 1.23E-10(.1 1.5)	3320, 1.17E-10(.1 1.5)	3340, 1.16E-10(.1 1.5)	3360, 1.19E-10(.1 1.2)
3400, 1.35E-10(.1 1.4)	3420, 1.35E-10(.1 2.0)	3440, 1.28E-10(.1 3.0)	3460, 1.19E-10(.1 3.5)
3500, 1.19E-10(.1 3.3)	3520, 1.28E-10(.1 3.8)	3540, 1.32E-10(.1 3.9)	3560, 1.19E-10(.1 3.7)
3600, 1.13E-10(.1 3.5)	3620, 1.11E-10(.1 3.6)	3640, 1.09E-10(.1 3.5)	3660, 1.04E-10(.1 3.1)
3700, 9.51E-11(.1 3.5)	3720, 9.38E-11(.1 3.3)	3740, 9.32E-11(.1 3.2)	3760, 9.31E-11(.1 3.6)
3800, 9.53E-11(.1 3.6)	3820, 9.61E-11(.1 3.6)	3840, 9.61E-11(.1 3.5)	3860, 9.54E-11(.1 4.2)
3900, 9.34E-11(.1 4.6)	3920, 9.39E-11(.1 4.8)	3940, 9.54E-11(.1 4.9)	3960, 9.67E-11(.1 4.3)
4000, 9.97E-11(.1 4.9)	4020, 1.01E-10(.1 4.8)	4040, 1.02E-10(.1 4.5)	4060, 1.03E-10(.1 4.3)
4100, 1.06E-10(.1 4.0)	4120, 1.10E-10(.1 4.1)	4140, 1.15E-10(.1 4.1)	4160, 1.19E-10(.1 4.2)
135, 0.00(0.0 0.0)	139, 0.00(0.0 0.0)	148, 1.20(1.2 18.5)	154, 1.43(1.9 15.1)
166, 1.49(2.0 3.5)	172, 1.63(1.9 7.6)	181, 1.78(1.8 23.0)	192, 1.91(1.4 8.3)
219E 2.09(.5 24.2)	245E 2.35(.3 31.8)	280E 2.87(.3 35.8)	360E 3.74(.3 27.7)
X,Y(MM) 10.9 -5.1 SL4-11	24 SCANS, T= 212	OMG CMA	WT .8, SCALE 1.05
X,Y(MM) 10.9 -5.1 SL4-12	17 SCANS, T= 86	OMG CMA	WT .6, SCALE .92
X,Y(MM) -4.2 13.6 SL4-120	19 SCANS, T= 78	OMG CMA	WT .7, SCALE .95

R = 1.17

LAMBDA, F (WT, SIG)	F = AVE FLUX	FROM LAM-DEL/2	TO LAM-DEL/2
1480, 5.26E-10 (.6 0.0)	1482, 4.70E-10 (.6 0.0)	1484, 5.01E-10 (.6 0.0)	1486, 5.28E-10 (.6 0.0)
1490, 5.73E-10 (.6 0.0)	1492, 5.51E-10 (.6 0.0)	1494, 5.89E-10 (.6 0.0)	1496, 5.59E-10 (.6 0.0)
1500, 4.70E-10 (.6 0.0)	1502, 5.98E-10 (.6 0.0)	1504, 6.11E-10 (.6 0.0)	1506, 5.59E-10 (.6 0.0)
1510, 5.42E-10 (.6 0.0)	1512, 4.00E-10 (.6 0.0)	1514, 5.24E-10 (.6 0.0)	1516, 5.48E-10 (.6 0.0)
1520, 4.53E-10 (.6 0.0)	1522, 5.00E-10 (.6 0.0)	1524, 5.04E-10 (.6 0.0)	1526, 4.74E-10 (.6 0.0)
1530, 4.81E-10 (.6 0.0)	1532, 4.49E-10 (.6 0.0)	1534, 4.40E-10 (.6 0.0)	1536, 3.56E-10 (.6 0.0)
1540, 3.07E-10 (.6 0.0)	1542, 3.76E-10 (.6 0.0)	1544, 3.00E-10 (.6 0.0)	1546, 3.51E-10 (.6 0.0)
1550, 3.29E-10 (.6 0.0)	1552, 3.65E-10 (.6 0.0)	1554, 3.90E-10 (.6 0.0)	1556, 3.38E-10 (.6 0.0)
1560, 4.82E-10 (.6 0.0)	1562, 4.57E-10 (.6 0.0)	1564, 4.93E-10 (.6 0.0)	1566, 4.53E-10 (.6 0.0)
1570, 4.03E-10 (.6 0.0)	1572, 4.31E-10 (.6 0.0)	1574, 4.73E-10 (.6 0.0)	1576, 4.52E-10 (.6 0.0)
1580, 2.76E-10 (.6 16.4)	1582, 2.97E-10 (.6 20.0)	1584, 4.13E-10 (.6 7.3)	1586, 4.53E-10 (.6 1.0)
1590, 3.73E-10 (.7 16.4)	1592, 3.85E-10 (.7 10.5)	1594, 3.91E-10 (.6 9.4)	1596, 3.86E-10 (.6 7.7)
1600, 4.96E-10 (.7 2.9)	1602, 4.88E-10 (.7 4.2)	1604, 4.33E-10 (.7 11.5)	1606, 4.17E-10 (.7 7.7)
1610, 4.50E-10 (.8 13.6)	1612, 4.55E-10 (.9 18.6)	1614, 4.68E-10 (.9 16.8)	1616, 4.80E-10 (.9 19.1)
1620, 4.58E-10 (.9 2.1)	1622, 5.00E-10 (.9 7.2)	1624, 5.35E-10 (1.0 17.6)	1626, 5.02E-10 (1.0 15.4)
1630, 4.34E-10 (.9 1.0)	1632, 4.59E-10 (.9 2.7)	1634, 4.80E-10 (.9 1.9)	1636, 4.78E-10 (.9 2.4)
1640, 4.43E-10 (.8 3.1)	1642, 4.25E-10 (.8 11.8)	1644, 4.32E-10 (.8 7.3)	1646, 4.58E-10 (.9 6.2)
1650, 4.61E-10 (.9 3.2)	1652, 4.70E-10 (.9 5.3)	1654, 4.25E-10 (.8 2.1)	1656, 3.95E-10 (.8 12.3)
1660, 3.98E-10 (.7 5.3)	1662, 3.85E-10 (.7 11.8)	1664, 3.97E-10 (.7 18.8)	1666, 4.14E-10 (.7 18.8)
1670, 4.71E-10 (.9 1.7)	1672, 4.78E-10 (.9 10.3)	1674, 4.67E-10 (.9 11.1)	1676, 4.72E-10 (1.0 4.5)
1680, 5.11E-10 (1.1 7.3)	1682, 4.90E-10 (1.1 9.5)	1684, 4.82E-10 (1.1 8.9)	1686, 4.80E-10 (1.1 10.0)
1690, 4.39E-10 (1.1 18.6)	1692, 4.74E-10 (1.1 12.3)	1694, 5.01E-10 (1.1 6.1)	1696, 4.88E-10 (1.1 1.8)
1700, 4.52E-10 (1.0 2.9)	1702, 4.55E-10 (1.0 3.2)	1704, 4.55E-10 (1.1 5.0)	1706, 4.80E-10 (1.1 5.0)
1710, 4.44E-10 (1.0 1.7)	1712, 4.14E-10 (1.0 3.2)	1714, 4.09E-10 (1.0 1.2)	1716, 4.11E-10 (1.0 3.8)
1720, 4.57E-10 (.9 25.4)	1722, 4.47E-10 (.9 21.6)	1724, 4.25E-10 (1.0 12.2)	1726, 4.12E-10 (1.0 11.6)
1730, 4.07E-10 (1.0 3.0)	1732, 3.96E-10 (1.0 8.0)	1734, 3.78E-10 (.9 16.3)	1736, 3.82E-10 (.9 19.5)
1740, 4.89E-10 (1.2 9.1)	1742, 5.07E-10 (1.3 7.7)	1744, 4.87E-10 (1.3 5.1)	1746, 4.69E-10 (1.3 7.2)
1750, 4.48E-10 (1.3 2.9)	1752, 4.31E-10 (1.3 1.7)	1754, 4.11E-10 (1.2 2.5)	1756, 3.98E-10 (1.2 9.1)
1760, 4.05E-10 (1.2 9.5)	1762, 3.94E-10 (1.3 5.8)	1764, 3.71E-10 (1.1 7.9)	1766, 3.43E-10 (1.0 10.4)
1770, 3.37E-10 (1.0 15.9)	1772, 3.41E-10 (1.0 19.0)	1774, 3.42E-10 (1.0 13.5)	1776, 3.55E-10 (1.1 8.2)
1780, 3.87E-10 (1.2 8.5)	1782, 3.91E-10 (1.3 5.1)	1784, 3.89E-10 (1.3 2.3)	1786, 3.90E-10 (1.3 8.8)
1790, 4.18E-10 (1.3 1.1)	1792, 4.21E-10 (1.2 2.7)	1794, 4.14E-10 (1.2 3.7)	1796, 4.10E-10 (1.2 7.4)
1800, 3.99E-10 (1.2 11.2)	1802, 3.91E-10 (1.2 11.4)	1804, 3.71E-10 (1.2 13.0)	1806, 3.50E-10 (1.1 14.1)
1810, 3.59E-10 (1.1 18.5)	1812, 3.73E-10 (1.1 19.0)	1814, 3.79E-10 (1.2 16.7)	1816, 3.94E-10 (1.2 12.2)
1820, 4.54E-10 (1.2 3.1)	1822, 4.73E-10 (1.2 2.3)	1824, 4.69E-10 (1.1 4.5)	1826, 4.51E-10 (1.1 6.2)
1800, 4.00E-10 (1.2 11.1)	1805, 3.63E-10 (1.2 13.9)	1810, 3.56E-10 (1.2 18.3)	1815, 3.87E-10 (1.2 13.9)
1825, 4.57E-10 (1.2 4.4)	1830, 4.14E-10 (1.2 3.4)	1835, 4.13E-10 (1.2 8.8)	1840, 4.17E-10 (1.2 2.4)
1850, 4.40E-10 (1.1 7.5)	1855, 4.02E-10 (1.1 1.4)	1860, 3.98E-10 (1.1 6.6)	1865, 4.27E-10 (1.1 1.4)
1875, 4.00E-10 (1.1 7.1)	1880, 4.05E-10 (1.1 6.1)	1885, 4.10E-10 (1.1 25.8)	1890, 4.13E-10 (1.1 2.0)
1900, 4.06E-10 (1.1 8.4)	1905, 3.80E-10 (1.1 6.1)	1910, 3.48E-10 (1.1 7.0)	1915, 3.69E-10 (1.1 6.7)
1925, 3.71E-10 (1.1 6.9)	1930, 3.43E-10 (1.1 2.1)	1935, 3.48E-10 (1.1 5.0)	1940, 3.50E-10 (1.1 4.8)
1950, 3.91E-10 (1.1 11.1)	1955, 3.81E-10 (1.1 15.6)	1960, 3.61E-10 (1.1 9.0)	1965, 3.98E-10 (1.1 3.0)
1975, 3.79E-10 (1.1 2.0)	1980, 3.58E-10 (1.1 2.4)	1985, 3.51E-10 (1.1 2.1)	1990, 3.61E-10 (1.1 2.5)
2000, 3.50E-10 (1.0 2.6)	2005, 3.59E-10 (1.0 2.4)	2010, 3.41E-10 (1.0 1.1)	2015, 3.52E-10 (1.0 1.2)
2025, 3.41E-10 (1.0 5.2)	2030, 3.05E-10 (1.0 4.2)	2035, 2.87E-10 (1.0 2.2)	2040, 2.91E-10 (1.0 1.1)
2050, 3.24E-10 (1.0 10.0)	2055, 3.09E-10 (1.0 5.0)	2060, 2.90E-10 (1.0 9.9)	2065, 2.91E-10 (1.0 2.8)
2075, 2.86E-10 (1.0 7.2)	2080, 2.88E-10 (1.0 7.8)	2085, 2.82E-10 (1.0 5.0)	2090, 2.81E-10 (.9 5.9)
2100, 2.99E-10 (.9 4.7)	2105, 3.05E-10 (.9 3.7)	2110, 3.15E-10 (.9 1.7)	2115, 3.19E-10 (.9 3.8)
2125, 2.86E-10 (.9 9.6)	2130, 2.84E-10 (.9 6.6)	2135, 2.87E-10 (.9 8.0)	2140, 2.88E-10 (.8 8.0)
2150, 2.84E-10 (.8 2.6)	2155, 2.89E-10 (1.1 1.7)	2160, 2.92E-10 (.8 7.9)	2165, 2.91E-10 (.8 3.9)
2175, 2.89E-10 (.8 2.6)	2180, 2.87E-10 (.8 1.8)	2185, 2.86E-10 (.7 5.4)	2190, 2.94E-10 (.7 8.7)
2200, 2.95E-10 (.7 3.4)	2205, 2.83E-10 (.7 1.3)	2210, 2.79E-10 (.7 3.3)	2215, 2.78E-10 (.7 6.0)
2225, 2.80E-10 (.7 4.8)	2230, 2.85E-10 (.7 1.1)	2235, 2.93E-10 (.7 3.9)	2240, 2.99E-10 (.7 5.3)
2250, 2.89E-10 (.7 9.3)	2255, 2.83E-10 (.7 10.9)	2260, 2.85E-10 (.7 9.5)	2265, 2.80E-10 (.7 6.9)
2275, 2.55E-10 (.7 1.2)	2280, 2.53E-10 (.7 1.6)	2285, 2.57E-10 (.7 2.9)	2290, 2.59E-10 (.7 2.3)
2300, 2.46E-10 (.7 0.0)	2305, 2.48E-10 (.7 4.0)	2310, 2.59E-10 (.7 2.3)	2315E, 2.68E-10 (.7 7.2)
2300, 2.47E-10 (.7 5.5)	2310, 2.57E-10 (.7 3.6)	2320, 2.63E-10 (.7 12.0)	2330, 2.47E-10 (.7 14.2)
2350, 2.21E-10 (.7 11.4)	2360, 2.20E-10 (.7 10.6)	2370, 2.31E-10 (.7 8.0)	2380E, 2.45E-10 (.6 6.5)
2400E, 2.37E-10 (.6 6.6)	2410E, 2.32E-10 (.6 6.3)	2420E, 2.32E-10 (.6 1.9)	2430E, 2.29E-10 (.6 5.8)
2450E, 2.29E-10 (.6 2.6)	2460E, 2.16E-10 (.6 1.8)	2470E, 2.01E-10 (.6 2.0)	2480E, 2.03E-10 (.6 4.4)
2500E, 2.04E-10 (.6 3.7)	2510E, 1.97E-10 (.6 3.9)	2520E, 1.92E-10 (.6 6.5)	2530E, 1.97E-10 (.6 11.1)
2530E, 1.97E-10 (.6 16.2)	2540E, 2.00E-10 (.6 15.7)	2570E, 2.02E-10 (.6 15.3)	2580E, 1.99E-10 (.6 15.0)
2600E, 1.92E-10 (.6 7.6)	2610E, 1.89E-10 (.5 4.1)	2620E, 1.90E-10 (.5 4.6)	2630E, 1.91E-10 (.5 3.4)
2650E, 1.92E-10 (.5 1.8)	2660E, 1.98E-10 (.5 2.3)	2670E, 1.96E-10 (.5 1.1)	2680E, 1.87E-10 (.5 6.5)
2700E, 1.79E-10 (.5 17.6)	2710E, 1.73E-10 (.5 15.4)	2720E, 1.69E-10 (.5 11.0)	2730E, 1.67E-10 (.5 11.0)
2750E, 1.72E-10 (.5 13.4)	2760E, 1.90E-10 (.5 14.9)	2770E, 2.15E-10 (.4 13.0)	2780E, 2.22E-10 (.4 10.2)
2800E, 1.93E-10 (.4 2.3)	2810E, 1.78E-10 (.4 6.0)	2820E, 1.71E-10 (.4 8.3)	2830E, 1.66E-10 (.5 6.1)
2850E, 1.64E-10 (.5 5.9)	2860E, 1.69E-10 (.5 12.4)	2870E, 1.72E-10 (.5 18.4)	2880E, 1.73E-10 (.4 21.1)
2900E, 1.64E-10 (.4 23.4)	2910E, 1.60E-10 (.5 22.9)	2920E, 1.54E-10 (.5 21.0)	2930E, 1.50E-10 (.5 17.0)
2950E, 1.50E-10 (.4 11.4)	2960E, 1.53E-10 (.4 11.8)	2970E, 1.51E-10 (.4 13.2)	2980E, 1.45E-10 (.4 12.3)
3000E, 1.34E-10 (.4 5.3)	3010E, 1.36E-10 (.4 4.0)	3020E, 1.37E-10 (.4 8.4)	3030E, 1.39E-10 (.4 12.2)
3000E, 1.34E-10 (.4 7.3)	3020E, 1.35E-10 (.4 11.6)	3040E, 1.32E-10 (.4 20.4)	3060E, 1.23E-10 (.5 26.7)
3100E, 1.22E-10 (.5 29.3)	3120E, 1.19E-10 (.5 23.3)	3140E, 1.18E-10 (.4 15.1)	3160E, 1.19E-10 (.4 9.4)
3200E, 1.22E-10 (.4 14.4)	3220E, 1.16E-10 (.4 19.3)	3240E, 1.19E-10 (.4 21.0)	3260E, 1.32E-10 (.4 21.8)
3300E, 1.36E-10 (.4 23.5)	3320E, 1.31E-10 (.4 23.7)	3340E, 1.36E-10 (.3 27.3)	3360E, 1.45E-10 (.3 28.0)
3400E, 1.50E-10 (.3 12.8)	3420E, 1.45E-10 (.3 8.1)	3440E, 1.39E-10 (.3 8.0)	3460E, 1.32E-10 (.3 10.8)
3500E, 1.13E-10 (.4 21.2)	3520E, 1.04E-10 (.4 22.5)	3540E, 9.80E-11 (.4 18.6)	3560E, 9.60E-11 (.4 12.8)
3600E, 1.05E-10 (.4 1.7)	3620E, 1.11E-10 (.4 1.2)	3640E, 1.16E-10 (.3 4.5)	3660E, 1.17E-10 (.3 6.6)
3700E, 1.10E-10 (.4 8.4)	3720E, 1.00E-10 (.4 11.2)	3740E, 9.20E-11 (.4 14.5)	3760E, 8.44E-11 (.5 19.3)
3800E, 7.75E-11 (.5 24.9)	3820E, 7.72E-11 (.5 26.4)	3840E, 7.79E-11 (.5 27.9)	3860E, 7.91E-11 (.5 28.6)
3900E, 7.99E-11 (.5 29.5)	3920E, 8.06E-11 (.5 29.8)	3940E, 8.25E-11 (.5 29.6)	3960E, 8.67E-11 (.5 29.1)
4000E, 9.97E-11 (.5 24.8)	4020E, 1.07E-10 (.4 20.9)	4040E, 1.12E-10 (.4 18.0)	4060E, 1.14E-10 (.4 17.3)
4100E, 1.09E-10 (.5 17.8)	4120E, 1.05E-10 (.5 21.3)	4140E, 1.01E-10 (.5 22.4)	4160E, 9.84E-11 (.6 25.2)
135, 0.00(0.0 0.0)	139, 0.00(0.0 0.0)	148, 0.00(0.0 0.0)	154, 2.41(.6 0.0)
166, 2.27(.9 2.2)	172, 2.29(1.1 5.0)	181, 2.40(1.2 5.1)	192, 2.46(1.1 1.0)
219, 2.76(.8 0.0)	245E, 3.06(.6 7.0)	280E, 3.32(.5 11.2)	360E, 3.79(.4 21.4)
X,Y(MM)	-3.1 -12.5	SL4- 14	19 SCANS, T= 218
X,Y(MM)	-3.1 -12.5	SL4- 15	23 SCANS, T= 73
HR	2756	WT	.6, SCALE .98
HR	2756	WT	.7, SCALE 1.02



$R = 0.47:$



HD 56779

HR 2770

HD 56779

LAMBDA, F (WT, SIG)	F = AVE FLUX FROM LAM-DEL/2 TO LAM+DEL/2				
1490, 0. (0.0 0.0)	1492, 0. (0.0 0.0)	1494, 6.34E-10(.6 0.0)	1496, 8.26E-10(.6 0.0)	1498, 6.95E-10(.6 0.0)	
1500, 6.97E-10(.6 0.0)	1502, 6.41E-10(.5 0.0)	1504, 6.13E-10(.5 0.0)	1506, 6.19E-10(.5 0.0)	1508, 6.55E-10(.6 0.0)	
1510, 5.85E-10(.6 0.0)	1512, 6.43E-10(.6 0.0)	1514, 6.85E-10(.6 0.0)	1516, 7.14E-10(.6 0.0)	1518, 7.47E-10(.6 0.0)	
1520, 6.41E-10(.6 0.0)	1522, 5.61E-10(.6 0.0)	1524, 5.77E-10(.6 0.0)	1526, 5.85E-10(.6 0.0)	1528, 6.43E-10(.6 0.0)	
1530, 5.12E-10(.6 0.0)	1532, 5.34E-10(.6 0.0)	1534, 5.77E-10(.6 0.0)	1536, 5.97E-10(.6 0.0)	1538, 7.39E-10(.6 0.0)	
1540, 6.71E-10(.6 0.0)	1542, 5.57E-10(.6 0.0)	1544, 5.58E-10(.6 0.0)	1546, 6.32E-10(.6 0.0)	1548, 6.90E-10(.6 0.0)	
1550, 6.62E-10(.6 0.0)	1552, 6.42E-10(.6 0.0)	1554, 7.04E-10(.6 0.0)	1556, 6.92E-10(.6 0.0)	1558, 5.89E-10(.6 0.0)	
1560, 5.44E-10(.6 0.0)	1562, 5.89E-10(.6 0.0)	1564, 6.58E-10(.6 0.0)	1566, 5.91E-10(.6 0.0)	1568, 5.58E-10(.6 0.0)	
1570, 6.42E-10(.6 0.0)	1572, 7.37E-10(.6 0.0)	1574, 6.81E-10(.6 0.0)	1576, 6.51E-10(.6 0.0)	1578, 7.27E-10(.6 0.0)	
1580, 7.00E-10(.6 0.0)	1582, 6.44E-10(.6 0.0)	1584, 6.38E-10(.6 0.0)	1586, 6.67E-10(.6 0.0)	1588, 7.80E-10(.6 0.0)	
1590, 8.11E-10(.6 0.0)	1592, 7.64E-10(.6 0.0)	1594, 6.88E-10(.6 0.0)	1596, 7.54E-10(.6 0.0)	1598, 8.44E-10(.6 0.0)	
1600, 8.29E-10(.7 0.0)	1602, 7.67E-10(.7 0.0)	1604, 7.76E-10(.7 0.0)	1606, 8.23E-10(.7 0.0)	1608, 7.89E-10(.8 0.0)	
1610, 7.25E-10(.8 6.1)	1612, 7.41E-10(.9 6.7)	1614, 7.51E-10(1.0 8.8)	1616, 7.22E-10(1.0 5.4)	1618, 6.93E-10(1.1 2.7)	
1620, 6.96E-10(1.1 8.5)	1622, 7.17E-10(1.2 9.9)	1624, 7.35E-10(1.2 11.8)	1626, 7.29E-10(1.3 13.0)	1628, 7.07E-10(1.3 14.9)	
1630, 7.14E-10(1.4 10.4)	1632, 7.33E-10(1.4 7.2)	1634, 7.33E-10(1.4 10.5)	1636, 7.37E-10(1.5 9.9)	1638, 7.26E-10(1.5 7.3)	
1640, 7.34E-10(1.6 4.4)	1642, 7.58E-10(1.6 4.0)	1644, 7.57E-10(1.7 9.4)	1646, 7.21E-10(1.7 9.1)	1648, 7.03E-10(1.8 9.6)	
1650, 6.98E-10(1.8 11.4)	1652, 6.96E-10(1.8 11.2)	1654, 7.09E-10(1.9 9.6)	1656, 7.22E-10(1.9 8.6)	1658, 7.44E-10(2.0 7.8)	
1660, 7.31E-10(2.0 6.8)	1662, 6.77E-10(2.0 10.3)	1664, 6.45E-10(2.0 15.1)	1666, 6.65E-10(2.0 13.9)	1668, 7.17E-10(2.0 9.9)	
1670, 7.38E-10(2.0 9.9)	1672, 7.20E-10(2.0 12.8)	1674, 6.95E-10(2.0 14.5)	1676, 6.78E-10(1.9 16.1)	1678, 6.87E-10(1.9 17.5)	
1680, 7.13E-10(2.0 13.8)	1682, 7.36E-10(2.0 8.7)	1684, 7.40E-10(2.0 8.8)	1686, 7.49E-10(2.0 9.6)	1688, 7.65E-10(1.9 8.7)	
1690, 7.52E-10(2.0 10.0)	1692, 7.26E-10(2.0 12.4)	1694, 7.34E-10(2.0 11.4)	1696, 7.70E-10(1.9 6.4)	1698, 7.86E-10(1.9 4.5)	
1700, 7.46E-10(1.9 1.7)	1702, 6.94E-10(2.0 4.3)	1704, 6.53E-10(2.0 7.8)	1706, 6.29E-10(2.0 13.4)	1708, 6.22E-10(2.0 14.6)	
1710, 6.32E-10(2.0 11.2)	1712, 6.55E-10(2.0 9.7)	1714, 6.64E-10(1.9 10.1)	1716, 6.48E-10(1.9 8.4)	1718, 6.24E-10(1.9 7.5)	
1720, 6.15E-10(2.0 7.9)	1722, 6.18E-10(1.9 5.7)	1724, 6.24E-10(1.9 3.4)	1726, 6.32E-10(1.9 7.1)	1728, 6.28E-10(1.9 5.0)	
1730, 6.36E-10(1.9 7.6)	1732, 6.52E-10(1.9 9.5)	1734, 6.56E-10(1.9 9.1)	1736, 6.49E-10(1.9 7.5)	1738, 6.50E-10(1.9 7.9)	
1740, 6.49E-10(1.9 7.7)	1742, 6.49E-10(1.9 6.2)	1744, 6.36E-10(1.9 6.2)	1746, 6.36E-10(1.9 7.9)	1748, 6.00E-10(1.9 8.1)	
1750, 6.27E-10(1.9 7.5)	1752, 6.12E-10(1.9 7.2)	1754, 6.00E-10(1.9 8.3)	1756, 6.12E-10(1.9 5.5)	1758, 6.19E-10(1.8 8.6)	
1760, 6.49E-10(1.8 4.5)	1762, 6.12E-10(1.8 4.9)	1764, 6.07E-10(1.8 5.3)	1766, 5.94E-10(1.8 8.0)	1768, 5.69E-10(1.8 3.8)	
1770, 6.14E-10(1.8 10.0)	1772, 6.06E-10(1.8 10.1)	1774, 5.94E-10(1.8 8.0)	1776, 5.78E-10(1.8 5.0)	1778, 5.53E-10(1.8 3.6)	
1780, 5.65E-10(1.8 4.0)	1782, 5.49E-10(1.8 7.7)	1784, 5.29E-10(1.8 9.6)	1786, 5.30E-10(1.8 7.3)	1788, 5.80E-10(1.7 7.0)	
1790, 5.73E-10(1.8 4.8)	1792, 5.79E-10(1.8 5.7)	1794, 5.79E-10(1.8 5.0)	1796, 5.81E-10(1.8 5.4)	1798, 5.25E-10(1.8 4.1)	
1800, 5.69E-10(1.7 9.0)	1802, 5.47E-10(1.8 9.9)	1804, 5.30E-10(1.8 8.3)	1806, 5.22E-10(1.8 4.7)	1808, 5.43E-10(1.7 11.6)	
1810, 5.29E-10(1.7 4.6)	1812, 5.40E-10(1.7 6.3)	1814, 5.50E-10(1.7 10.2)	1816, 5.50E-10(1.7 11.7)	1818, 5.43E-10(1.7 11.6)	
1820, 5.42E-10(1.7 9.1)	1822, 5.47E-10(1.7 6.5)	1824, 5.46E-10(1.7 7.1)	1826, 5.46E-10(1.7 9.2)	0. (0.0 0.0)	
1800, 5.68E-10(1.8 8.9)	1805, 5.27E-10(1.8 5.7)	1810, 5.28E-10(1.7 3.9)	1815, 5.51E-10(1.7 11.1)	1820, 5.42E-10(1.7 8.8)	
1825, 5.49E-10(1.7 7.8)	1830, 5.23E-10(1.7 9.4)	1835, 5.23E-10(1.7 8.8)	1840, 5.33E-10(1.7 6.1)	1845, 5.31E-10(1.7 6.8)	
1850, 5.24E-10(1.6 4.7)	1855, 5.20E-10(1.6 4.5)	1860, 5.22E-10(1.6 6.0)	1865, 5.19E-10(1.6 5.8)	1870, 5.16E-10(1.6 7.7)	
1875, 5.08E-10(1.6 7.1)	1880, 5.00E-10(1.6 7.7)	1885, 4.72E-10(1.6 4.8)	1890, 4.66E-10(1.6 4.4)	1895, 4.51E-10(1.6 9.0)	
1900, 4.37E-10(1.6 14.3)	1905, 4.37E-10(1.6 14.6)	1910, 4.21E-10(1.6 10.4)	1915, 4.19E-10(1.6 12.3)	1920, 4.23E-10(1.6 9.7)	
1925, 4.27E-10(1.5 9.3)	1930, 4.43E-10(1.5 7.4)	1935, 4.41E-10(1.5 9.2)	1940, 4.27E-10(1.5 10.5)	1945, 4.09E-10(1.5 11.0)	
1950, 3.92E-10(1.5 12.5)	1955, 4.14E-10(1.5 11.2)	1960, 4.32E-10(1.4 11.2)	1965, 4.42E-10(1.4 11.2)	1970, 4.49E-10(1.4 10.0)	
1975, 4.26E-10(1.3 8.5)	1980, 4.05E-10(1.3 8.6)	1985, 4.09E-10(1.3 8.0)	1990, 4.27E-10(1.3 10.4)	1995, 4.38E-10(1.2 13.7)	
2000, 4.23E-10(1.2 11.0)	2005, 4.17E-10(1.2 11.5)	2010, 4.23E-10(1.2 11.1)	2015, 4.28E-10(1.2 9.7)	2020, 3.98E-10(1.2 10.6)	
2025, 3.64E-10(1.2 10.0)	2030, 3.65E-10(1.2 4.4)	2035, 3.59E-10(1.2 7.2)	2040, 3.50E-10(1.2 7.6)	2045, 3.56E-10(1.1 11.3)	
2050, 3.64E-10(1.1 15.0)	2055, 3.52E-10(1.1 13.5)	2060, 3.47E-10(1.1 12.2)	2065, 3.71E-10(1.0 13.2)	2070, 3.79E-10(1.0 14.0)	
2075E 3.60E-10(1.0 11.8)	2080E 3.55E-10(1.0 11.2)	2085E 3.69E-10(9 11.6)	2090E 3.74E-10(9 12.4)	2095E 3.66E-10(9 10.9)	
2100E 3.50E-10(9 11.2)	2105E 3.34E-10(9 10.1)	2110E 3.20E-10(9 9.8)	2115E 3.23E-10(9 8.9)	2120E 3.28E-10(9 13.0)	
2125E 3.23E-10(9 17.5)	2130E 3.16E-10(8 9.7)	2135E 3.16E-10(8 9.7)	2140E 3.16E-10(8 9.7)	2145E 3.23E-10(8 12.8)	
2150E 3.23E-10(8 14.7)	2155E 3.20E-10(8 15.8)	2160E 3.09E-10(8 14.8)	2165E 2.87E-10(8 14.9)	2170E 2.77E-10(8 14.1)	
2175E 2.83E-10(8 12.2)	2180E 2.91E-10(8 8.8)	2185E 2.99E-10(8 7.7)	2190E 3.07E-10(8 7.8)	2195E 3.05E-10(8 7.8)	
2200E 2.88E-10(7 10.9)	2205E 2.73E-10(8 14.5)	2210E 2.68E-10(8 18.3)	2215E 2.76E-10(7 21.0)	2220E 2.85E-10(7 23.2)	
2225E 2.83E-10(7 23.8)	2230E 2.77E-10(7 22.6)	2235E 2.73E-10(7 18.4)	2240E 2.70E-10(7 12.9)	2245E 2.66E-10(7 8.5)	
2250E 2.62E-10(7 7.7)	2255E 2.59E-10(7 11.1)	2260E 2.54E-10(7 17.6)	2265E 2.52E-10(7 25.0)	2270E 2.54E-10(7 25.7)	
2275E 2.54E-10(7 20.5)	2280E 2.50E-10(7 15.6)	2285E 2.45E-10(7 14.1)	2290E 2.39E-10(7 12.0)	2295E 2.34E-10(7 7.8)	
2300E 2.23E-10(7 7.4)	2305E 2.14E-10(7 11.5)	2310E 2.12E-10(7 13.2)	2315E 2.12E-10(7 12.5)	0. (0.0 0.0)	
2300E 2.23E-10(7 7.5)	2310E 2.13E-10(7 12.8)	2320E 2.12E-10(7 13.0)	2330E 2.15E-10(7 13.2)	2340E 2.20E-10(7 8.3)	
2350E 2.24E-10(6 4.2)	2360E 2.39E-10(6 4.0)	2370E 2.41E-10(6 11.1)	2380E 2.38E-10(5 13.0)	2390E 2.35E-10(5 13.2)	
2400E 2.18E-10(6 7.4)	2410E 2.07E-10(6 5.6)	2420E 2.03E-10(6 11.5)	2430E 2.06E-10(6 14.7)	2440E 2.12E-10(5 12.1)	
2450E 2.10E-10(5 15.9)	2460E 2.17E-10(5 13.2)	2470E 2.20E-10(5 5.9)	2480E 2.07E-10(5 8.3)	2490E 1.89E-10(5 10.2)	
2500E 1.79E-10(5 11.5)	2510E 1.82E-10(5 11.6)	2520E 1.90E-10(5 14.4)	2530E 1.94E-10(5 11.0)	2540E 1.97E-10(5 7.1)	
2550E 1.90E-10(5 8.7)	2560E 1.81E-10(5 7.4)	2570E 1.75E-10(5 10.7)	2580E 1.73E-10(5 15.0)	2590E 1.65E-10(5 14.0)	
2600E 1.57E-10(5 13.0)	2610E 1.52E-10(5 14.9)	2620E 1.48E-10(5 17.4)	2630E 1.50E-10(5 18.5)	2640E 1.51E-10(5 15.0)	
2650E 1.53E-10(5 13.2)	2660E 1.53E-10(5 14.5)	2670E 1.58E-10(4 18.3)	2680E 1.57E-10(4 20.5)	2690E 1.51E-10(4 23.3)	
2700E 1.47E-10(4 22.0)	2710E 1.52E-10(4 18.3)	2720E 1.59E-10(4 13.0)	2730E 1.58E-10(4 10.9)	2740E 1.53E-10(4 11.2)	
2750E 1.48E-10(4 11.4)	2760E 1.53E-10(4 12.5)	2770E 1.55E-10(4 12.3)	2780E 1.51E-10(4 13.0)	2790E 1.44E-10(4 14.5)	
2800E 1.39E-10(4 17.8)	2810E 1.40E-10(3 19.2)	2820E 1.46E-10(3 17.5)	2830E 1.50E-10(3 16.2)	2840E 1.47E-10(3 15.9)	
2850E 1.36E-10(3 17.8)	2860E 1.27E-10(3 20.2)	2870E 1.27E-10(3 23.2)	2880E 1.32E-10(3 24.5)	2890E 1.38E-10(3 21.8)	
2900E 1.41E-10(3 16.7)	2910E 1.40E-10(3 12.6)	2920E 1.41E-10(3 9.4)	2930E 1.45E-10(2 9.7)	2940E 1.43E-10(2 13.9)	
2950E 1.33E-10(2 20.1)	2960E 1.24E-10(3 24.6)	2970E 1.20E-10(3 26.6)	2980E 1.16E-10(3 25.5)	2990E 1.13E-10(3 23.2)	
3000E 1.11E-10(3 20.8)	3010E 1.09E-10(3 21.5)	3020E 1.08E-10(3 21.7)	3030E 1.08E-10(3 23.6)	0. (0.0 0.0)	
3000E 1.11E-10(3 20.6)	3010E 1.08E-10(3 21.5)	3040E 1.09E-10(3 23.5)	3060E 1.12E-10(3 17.1)	3080E 1.16E-10(3 14.9)	
3100E 1.10E-10(3 10.5)	3120E 9.98E-11(3 15.7)	3140E 9.92E-11(3 20.2)	3160E 1.04E-10(3 20.8)	3180E 1.07E-10(2 20.2)	
3200E 1.08E-10(2 20.2)	3220E 1.09E-10(2 12.4)	3240E 1.10E-10(2 8.0)	3260E 1.09E-10(2 10.7)	3280E 1.10E-10(2 10.7)	
135, 0.00(0.0 0.0)	139, 0.00(0.0 0.0)	148, 0.00(0.0 0.0)	154, 1.93(6 0.0)	161, 1.71(9 0.0)	
166, 1.76(1.9 7.9)	172, 1.87(1.9 2.6)	181, 2.05(1.7 4.6)	192, 2.28(1.5 11.2)	204, 2.45(1.1 10.0)	
219E 2.76(8 13.4)	245E 3.13(5 8.3)	280E 3.54(4 15.8)	360, 0.00(0.0 0.0)	0, 0.00(0.0 0.0)	

X,Y(MM) 4.5 -20.1 SL4- 81 20 SCANS, T= 225: HR 2770 WT .7,SCALE .91  
X,Y(MM) -7.8 17.6 SL4- 82 16 SCANS, T= 225: HR 2770 WT .6,SCALE 1.42  
X,Y(MM) -7.8 17.6 SL4- 83 19 SCANS, T= 77: HR 2770 WT .6,SCALE .67

R = 0.76

LAMBDA, F	( WT, SIG)	F = AVE FLUX	FROM LAM-DEL/2 TO LAM+DEL/2
1500, 3.75E-10	(.4 0.0)	1502, 4.09E-10	(.4 0.0)
1510, 3.57E-10	(.4 0.0)	1512, 3.47E-10	(.4 0.0)
1520, 3.63E-10	(.4 0.0)	1522, 3.73E-10	(.5 0.0)
1530, 3.59E-10	(.5 0.0)	1532, 3.81E-10	(.5 0.0)
1540, 2.73E-10	(.3 0.0)	1542, 2.73E-10	(.4 0.0)
1550, 3.15E-10	(.5 0.0)	1552, 3.26E-10	(.5 8.3)
1560, 3.08E-10	(.5 25.5)	1562, 3.38E-10	(.5 26.5)
1570, 3.76E-10	(.8 20.3)	1572, 3.70E-10	(.8 18.6)
1580, 3.20E-10	(.8 19.9)	1582, 3.43E-10	(.8 21.8)
1590, 3.53E-10	(.9 29.4)	1592, 3.59E-10	(.10 23.9)
1600, 3.44E-10	(.1 27.1)	1602, 3.64E-10	(.1 25.9)
1610, 3.08E-10	(.1 5.8)	1612, 2.95E-10	(.9 14.5)
1620, 2.88E-10	(.1 16.7)	1622, 2.92E-10	(.10 15.4)
1630, 3.00E-10	(.1 24.3)	1632, 2.95E-10	(.10 20.9)
1640, 2.56E-10	(.9 26.3)	1642, 2.45E-10	(.9 24.6)
1650, 3.07E-10	(.1 14.9)	1652, 3.25E-10	(.1 16.0)
1660, 2.78E-10	(.1 12.2)	1662, 2.66E-10	(.1 7.0)
1670, 2.82E-10	(.1 19.4)	1672, 2.49E-10	(.1 15.2)
1680, 2.46E-10	(.1 12.2)	1682, 2.58E-10	(.1 15.3)
1690, 2.18E-10	(.1 11.2)	1692, 2.18E-10	(.1 3.7)
1700, 2.49E-10	(.1 12.4)	1702, 2.39E-10	(.1 12.3)
1710, 2.15E-10	(.1 19.4)	1712, 2.15E-10	(.1 17.9)
1720, 1.87E-10	(.1 5.1)	1722, 2.01E-10	(.1 2.2)
1730, 2.31E-10	(.1 4.4)	1732, 2.24E-10	(.1 7.4)
1740, 1.88E-10	(.1 8.2)	1742, 1.90E-10	(.1 11.7)
1750, 1.84E-10	(.1 3.9)	1752, 1.89E-10	(.1 4.8)
1760, 2.11E-10	(.1 19.9)	1762, 2.12E-10	(.1 19.8)
1770, 1.98E-10	(.1 4.2)	1772, 2.03E-10	(.1 2.9)
1780, 2.00E-10	(.1 4.5)	1782, 1.88E-10	(.1 4.2)
1790, 1.77E-10	(.1 4.3)	1792, 1.76E-10	(.1 5.0)
1800, 1.73E-10	(.1 4.6)	1802, 1.79E-10	(.1 4.4)
1810, 1.77E-10	(.1 4.4)	1812, 1.74E-10	(.1 4.7)
1820, 1.75E-10	(.1 4.4)	1822, 1.72E-10	(.1 4.6)
1800, 1.74E-10	(.1 4.6)	1805, 1.85E-10	(.1 4.7)
1825, 1.61E-10	(.1 4.7)	1830, 1.44E-10	(.1 4.3)
1850, 1.43E-10	(.1 12.2)	1855, 1.33E-10	(.1 11.4)
1875, 1.38E-10	(.1 13.2)	1880, 1.39E-10	(.1 13.1)
1900, 1.27E-10	(.1 19.6)	1905, 1.30E-10	(.1 13.0)
1925, 1.22E-10	(.1 19.1)	1930, 1.16E-10	(.1 23.7)
1950, 1.06E-10	(.1 22.5)	1955, 1.50E-10	(.1 17.4)
1975, 1.11E-10	(.1 19.1)	1980, 1.07E-10	(.1 27.2)
2000, 1.18E-10	(.1 4.7)	2005, 1.21E-10	(.1 4.3)
2025, 1.33E-10	(.1 5.9)	2030, 1.25E-10	(.1 8.9)
2050, 1.12E-10	(.1 10.2)	2055, 1.12E-10	(.1 11.0)
2075, 9.88E-11	(.1 9.1)	2080, 1.04E-10	(.1 9.3)
2100, 9.95E-11	(.1 3.6)	2105, 9.26E-11	(.1 4.2)
2125, 1.04E-10	(.1 3.2)	2130, 1.04E-10	(.1 2.1)
2150, 1.00E-10	(.1 2.8)	2155, 9.60E-11	(.1 2.2)
2175, 8.82E-11	(.1 11.3)	2180, 8.66E-11	(.1 12.5)
2200, 8.08E-11	(.1 10.2)	2205, 8.36E-11	(.1 7.8)
2225, 8.99E-11	(.1 1.0)	2230, 9.06E-11	(.1 1.7)
2250, 8.72E-11	(.1 10.0)	2255, 8.52E-11	(.1 14.5)
2275, 9.32E-11	(.1 2.9)	2280, 9.49E-11	(.1 9.7)
2300, 8.78E-11	(.1 13.7)	2305, 8.64E-11	(.1 10.1)
2300, 8.85E-11	(.1 13.5)	2310, 8.42E-11	(.1 5.1)
2350, 7.87E-11	(.1 10.4)	2360, 7.74E-11	(.1 8.2)
2400, 7.32E-11	(.1 9.1)	2410, 6.68E-11	(.1 3.2)
2450, 7.63E-11	(.1 8.0)	2460, 7.43E-11	(.1 11.3)
2500, 6.16E-11	(.1 2.0)	2510, 6.02E-11	(.1 3.0)
2550, 6.59E-11	(.1 9.2)	2560, 6.66E-11	(.1 9.5)
2600, 6.67E-11	(.1 9.4)	2610, 6.47E-11	(.1 9.7)
2650, 5.93E-11	(.1 4.0)	2660, 6.16E-11	(.1 9.4)
2700, 6.56E-11	(.1 8.9)	2710, 6.53E-11	(.1 8.9)
2750, 5.91E-11	(.1 20.9)	2760, 5.81E-11	(.1 23.3)
2800, 5.91E-11	(.1 15.2)	2810, 5.98E-11	(.1 16.5)
2850, 6.07E-11	(.1 7.8)	2860, 5.91E-11	(.1 4.5)
2900, 5.57E-11	(.1 7.5)	2910, 5.50E-11	(.1 7.1)
2950, 5.26E-11	(.1 7.2)	2960, 5.38E-11	(.1 7.4)
3000E, 5.69E-11	(.1 15.4)	3010E, 5.52E-11	(.1 15.3)
3000E, 5.68E-11	(.1 15.0)	3020E, 5.45E-11	(.1 13.6)
3100E, 5.16E-11	(.1 6.5)	3120E, 5.11E-11	(.1 6.0)
3200E, 4.53E-11	(.1 6.16)	3220E, 4.63E-11	(.1 6.19)
3300E, 4.98E-11	(.1 6.32)	3320E, 5.02E-11	(.1 6.27)
3400E, 4.35E-11	(.1 6.76)	3420E, 4.30E-11	(.1 6.24)
3500E, 3.40E-11	(.1 7.3)	3520, 3.26E-11	(.1 7.1)
3600, 2.88E-11	(.1 15.7)	3620, 2.82E-11	(.1 17.2)
3700, 2.75E-11	(.1 11.8)	3720, 2.69E-11	(.1 9.1)
3800, 2.75E-11	(.1 7.3)	3820, 2.76E-11	(.1 7.8)
3900, 2.71E-11	(.1 8.5)	3920, 2.69E-11	(.1 8.1)
4000, 2.57E-11	(.1 15.0)	4020, 2.56E-11	(.1 19.4)
4100, 2.81E-11	(.1 22.8)	4120, 2.84E-11	(.1 21.0)
1504, 4.01E-10	(.4 0.0)	1506, 3.79E-10	(.4 0.0)
1514, 3.34E-10	(.3 0.0)	1516, 3.05E-10	(.3 0.0)
1524, 3.67E-10	(.5 0.0)	1526, 3.51E-10	(.5 0.0)
1534, 3.36E-10	(.4 0.0)	1536, 2.80E-10	(.4 0.0)
1544, 2.94E-10	(.4 0.0)	1546, 2.74E-10	(.4 0.0)
1554, 3.03E-10	(.4 17.6)	1556, 2.81E-10	(.4 31.6)
1564, 3.33E-10	(.4 34.8)	1566, 3.24E-10	(.4 24.9)
1574, 3.63E-10	(.8 18.7)	1576, 3.52E-10	(.8 23.6)
1584, 3.70E-10	(.9 35.0)	1586, 3.74E-10	(.8 40.2)
1594, 3.13E-10	(.9 22.3)	1596, 3.24E-10	(.9 22.2)
1604, 3.42E-10	(.1 25.6)	1606, 3.17E-10	(.1 21.0)
1614, 2.77E-10	(.9 24.4)	1616, 2.65E-10	(.9 26.1)
1624, 2.82E-10	(.10 26.0)	1626, 2.83E-10	(.10 25.4)
1634, 2.76E-10	(.10 19.2)	1636, 2.65E-10	(.10 20.8)
1644, 2.77E-10	(.10 18.7)	1646, 2.96E-10	(.10 15.2)
1654, 3.11E-10	(.1 15.3)	1656, 2.95E-10	(.1 11.1)
1664, 2.68E-10	(.1 21.4)	1666, 2.88E-10	(.1 21.1)
1674, 2.25E-10	(.1 4.1)	1676, 2.29E-10	(.1 2.2)
1684, 2.56E-10	(.1 11.9)	1686, 2.37E-10	(.1 8.8)
1694, 2.12E-10	(.1 7.1)	1696, 2.19E-10	(.1 5.1)
1704, 2.27E-10	(.1 13.2)	1706, 2.19E-10	(.1 12.7)
1714, 2.05E-10	(.1 15.3)	1716, 1.85E-10	(.1 12.4)
1724, 2.13E-10	(.1 3.5)	1726, 2.22E-10	(.1 3.3)
1734, 2.02E-10	(.1 4.6)	1736, 1.83E-10	(.1 2.3)
1744, 1.99E-10	(.1 14.5)	1746, 2.01E-10	(.1 7.6)
1754, 1.99E-10	(.1 4.9)	1756, 2.06E-10	(.1 14.4)
1764, 2.03E-10	(.1 17.9)	1766, 1.92E-10	(.1 13.8)
1774, 2.06E-10	(.1 4.9)	1776, 2.08E-10	(.1 6.6)
1784, 1.78E-10	(.1 9.4)	1786, 1.74E-10	(.1 9.1)
1794, 1.74E-10	(.1 3.0)	1796, 1.75E-10	(.1 3.0)
1804, 1.85E-10	(.1 4.3)	1806, 1.86E-10	(.1 4.6)
1814, 1.73E-10	(.1 4.2)	1816, 1.75E-10	(.1 4.3)
1824, 1.68E-10	(.1 5.7)	1826, 1.55E-10	(.1 8.3)
1810, 1.77E-10	(.1 4.1)	1815, 1.74E-10	(.1 3.0)
1835, 1.57E-10	(.1 4.2)	1840, 1.53E-10	(.1 4.7)
1860, 1.35E-10	(.1 7.4)	1865, 1.33E-10	(.1 10.0)
1885, 1.35E-10	(.1 16.4)	1890, 1.28E-10	(.1 13.1)
1910, 1.26E-10	(.1 15.1)	1915, 1.22E-10	(.1 17.2)
1935, 1.24E-10	(.1 15.8)	1940, 1.21E-10	(.1 19.6)
1960, 1.17E-10	(.1 18.9)	1965, 1.20E-10	(.1 11.7)
1985, 1.10E-10	(.1 23.0)	1990, 1.18E-10	(.1 11.8)
2010, 1.22E-10	(.1 4.3)	2015, 1.26E-10	(.1 1.1)
2035, 1.12E-10	(.1 5.4)	2040, 1.07E-10	(.1 5.7)
2060, 1.10E-10	(.1 8.9)	2065, 1.03E-10	(.1 7.4)
2085, 1.09E-10	(.1 8.4)	2090, 1.14E-10	(.1 3.3)
2110, 9.16E-11	(.1 5.6)	2115, 9.56E-11	(.1 5.6)
2135, 1.04E-10	(.1 2.1)	2140, 1.03E-10	(.1 2.1)
2160, 9.42E-11	(.1 9.3)	2165, 9.58E-11	(.1 7.9)
2185, 8.82E-11	(.1 13.6)	2190, 8.70E-11	(.1 10.1)
2210, 8.83E-11	(.1 2.8)	2215, 9.13E-11	(.1 1.3)
2235, 9.22E-11	(.1 2.4)	2240, 9.14E-11	(.1 4.5)
2260, 8.30E-11	(.1 18.2)	2265, 8.30E-11	(.1 15.5)
2285, 9.28E-11	(.1 13.3)	2290, 9.07E-11	(.1 14.7)
2310, 8.41E-11	(.1 5.0)	2315, 8.19E-11	(.1 9.1)
2320, 8.08E-11	(.1 2.0)	2330, 8.10E-11	(.1 9.2)
2370, 7.71E-11	(.1 10.1)	2380, 8.09E-11	(.1 17.6)
2420, 6.65E-11	(.1 5.2)	2430, 7.19E-11	(.1 6.5)
2470, 6.83E-11	(.1 8.5)	2480, 6.32E-11	(.1 0.2)
2520, 5.85E-11	(.1 7.7)	2530, 6.02E-11	(.1 0.0)
2570, 7.01E-11	(.1 10.7)	2580, 7.27E-11	(.1 14.0)
2620, 6.38E-11	(.1 9.1)	2630, 6.16E-11	(.1 9.1)
2670, 6.41E-11	(.1 5.4)	2680, 6.56E-11	(.1 8.7)
2720, 6.46E-11	(.1 9.3)	2730, 6.26E-11	(.1 11.4)
2770, 5.71E-11	(.1 20.5)	2780, 5.70E-11	(.1 15.6)
2820, 6.05E-11	(.1 14.3)	2830, 6.12E-11	(.1 10.0)
2870, 5.76E-11	(.1 7.9)	2880, 5.68E-11	(.1 7.9)
2920, 5.43E-11	(.1 7.1)	2930, 5.34E-11	(.1 7.4)
2970E, 5.61E-11	(.1 7.3)	2980E, 5.79E-11	(.1 7.8)
3020E, 5.44E-11	(.1 13.7)	3030E, 5.44E-11	(.1 11.5)
3040E, 5.44E-11	(.1 10.5)	3060E, 5.26E-11	(.1 11.1)
3140E, 4.90E-11	(.1 12.5)	3160E, 4.71E-11	(.1 17.5)
3240E, 4.80E-11	(.1 21.6)	3260E, 4.89E-11	(.1 25.1)
3340E, 4.92E-11	(.1 21.9)	3360E, 4.68E-11	(.1 19.0)
3440E, 4.09E-11	(.1 6.1)	3460E, 3.80E-11	(.1 6.1)
3540, 3.17E-11	(.1 8.5)	3560, 3.09E-11	(.1 10.1)
3640, 2.82E-11	(.1 17.4)	3660, 2.83E-11	(.1 15.9)
3740, 2.67E-11	(.1 8.5)	3760, 2.68E-11	(.1 7.5)
3840, 2.76E-11	(.1 8.6)	3860, 2.73E-11	(.1 8.2)
3940, 2.66E-11	(.1 8.3)	3960, 2.62E-11	(.1 8.6)
4040, 2.62E-11	(.1 22.0)	4060, 2.67E-11	(.1 23.8)
4140, 2.86E-11	(.1 18.9)	4160, 2.89E-11	(.1 17.2)
135, 0.00(0.0 0.0)		148, 0.00(0.0 0.0)	
166, 2.84(1.2 14.5)		181, 3.28(1.4 3.4)	
219, 3.99(1.2 3.4)		280, 4.47(8.7 7.6)	
154, 2.66(4.4 0.0)		192, 3.67(1.4 16.7)	
161, 2.67(1.0 23.3)		360, 5.07(7.13 6.6)	
204, 3.78(1.3 8.0)			
0, 0.00(0.0 0.0)			

X, Y(MM) 8.0 -2 SL4- 11 25 SCANS, T= 212 HR 2774 WT .7, SCALE 1.07

X, Y(MM) 8.0 -2 SL4- 12 20 SCANS, T= 86 HR 2774 WT .7, SCALE .90

R = 0.49+-

LAMBDA, F (WT, SIG)				F - AVE FLUX				FROM LAM-DEL/2				TO LAM-DEL/2							
1340.0	8.58E-10	3	0.0	1342.1	0.02E-09	3	0.0	1344.9	9.91E-10	4	0.0	1346.1	1.14E-09	5	0.0	1348.1	1.24E-09	5	0.0
1350.1	1.14E-09	5	0.0	1352.1	1.15E-09	4	0.0	1354.9	9.59E-10	5	0.0	1356.1	1.07E-09	5	0.0	1358.1	1.28E-09	7	0.0
1360.1	1.14E-09	6	0.0	1362.1	1.30E-09	7	0.0	1364.9	1.52E-09	7	0.0	1366.1	1.57E-09	7	0.0	1368.1	1.51E-09	7	0.0
1370.1	1.30E-09	7	0.0	1372.1	1.16E-09	7	0.0	1374.1	1.17E-09	7	0.0	1376.1	1.16E-09	7	0.0	1378.1	1.12E-09	7	0.0
1380.1	1.16E-09	7	0.0	1382.1	1.29E-09	7	0.0	1384.1	1.18E-09	6	0.0	1386.1	1.07E-09	6	0.0	1388.1	8.54E-10	5	0.0
1390.0	9.12E-10	6	0.0	1392.1	1.28E-09	6	0.0	1394.1	1.21E-09	6	0.0	1396.1	9.25E-10	6	0.0	1398.1	1.06E-09	6	0.0
1400.1	1.11E-09	7	0.0	1402.1	1.42E-09	7	0.0	1404.1	1.40E-09	7	0.0	1406.1	1.37E-09	7	0.0	1408.1	1.06E-09	7	0.0
1410.1	9.18E-10	7	0.0	1412.1	9.61E-10	7	0.0	1414.1	9.10E-10	7	0.0	1416.1	9.12E-10	7	0.0	1418.1	7.46E-10	7	0.0
1420.1	8.61E-10	7	0.0	1422.1	8.92E-10	7	0.0	1424.1	7.34E-10	6	0.0	1426.1	7.30E-10	6	0.0	1428.1	7.08E-10	6	0.0
1430.1	6.83E-10	6	0.0	1432.1	7.44E-10	7	0.0	1434.1	7.65E-10	7	0.0	1436.1	8.19E-10	7	0.0	1438.1	8.35E-10	7	0.0
1440.1	7.45E-10	7	0.0	1442.1	6.78E-10	7	0.0	1444.1	7.92E-10	7	0.0	1446.1	8.05E-10	7	0.0	1448.1	7.38E-10	7	0.0
1450.1	8.34E-10	7	0.0	1452.1	7.51E-10	7	0.0	1454.1	8.24E-10	7	0.0	1456.1	8.30E-10	7	0.0	1458.1	8.19E-10	7	0.0
1460.1	8.37E-10	7	0.0	1462.1	9.09E-10	7	0.0	1464.1	9.12E-10	7	0.0	1466.1	1.02E-09	7	0.0	1468.1	9.56E-10	7	0.0
1470.1	9.09E-10	7	0.0	1472.1	9.09E-10	7	0.0	1474.1	9.10E-10	7	0.0	1476.1	1.00E-09	7	0.0	1478.1	1.12E-09	7	0.0
1480.1	1.95E-09	7	0.0	1482.1	9.44E-10	4	6.6	1484.1	9.03E-10	7	0.0	1486.1	9.09E-10	7	0.0	1488.1	9.43E-10	7	0.0
1490.1	1.03E-09	7	11.2	1492.1	9.91E-10	8	13.6	1494.1	9.63E-10	8	12.4	1496.1	9.90E-10	7	11.1	1498.1	8.82E-10	7	15.4
1500.1	1.02E-09	7	15.7	1502.1	1.06E-09	7	16.8	1504.1	9.29E-10	7	17.7	1506.1	9.68E-10	8	19.1	1508.1	1.06E-09	8	25.0
1510.1	1.05E-09	8	22.1	1512.1	1.07E-09	9	20.5	1514.1	9.72E-10	9	22.8	1516.1	1.10E-09	9	25.7	1518.1	1.13E-09	9	25.6
1520.1	9.90E-10	9	26.4	1522.1	9.42E-10	9	28.2	1524.1	9.26E-10	10	24.8	1526.1	9.02E-10	10	20.6	1528.1	8.09E-10	9	19.2
1530.1	7.67E-10	9	32.5	1532.1	8.63E-10	9	34.0	1534.1	8.79E-10	9	25.0	1536.1	8.61E-10	9	30.6	1538.1	8.82E-10	8	34.0
1540.1	8.42E-10	9	37.2	1542.1	7.83E-10	8	36.2												

$P = 1.05$

R = 1.00



LAMBDA	F	(WT, SIG)	F = AVE FLUX FROM LAM-DEL/2 TO LAM+DEL/2	LAMBDA	F	(WT, SIG)	LAMBDA	F	(WT, SIG)	LAMBDA	F	(WT, SIG)		
1630U	1.58E-10	(.5 34.4)	1632U	1.71E-10	(.5 22.2)	1634U	1.74E-10	(.6 7.7)	1636U	1.87E-10	(.6 2.6)	1638U	1.91E-10	(.6 1.6)
1640U	1.75E-10	(.5 10.7)	1642U	1.34E-10	(.4 19.4)	1644U	1.02E-10	(.3 16.9)	1646U	1.07E-10	(.3 22.0)	1648U	1.51E-10	(.4 13.5)
1650	1.90E-10	(.6 5.6)	1652	1.82E-10	(.6 24.6)	1654U	1.90E-10	(.6 39.1)	1656U	2.05E-10	(.7 35.0)	1658U	2.21E-10	(.8 29.5)
1660	2.16E-10	(.8 23.6)	1662	2.08E-10	(.8 19.1)	1664	2.01E-10	(.8 22.9)	1666	2.07E-10	(.8 31.6)	1668	2.36E-10	(.9 32.2)
1670	2.43E-10	(.8 35.8)	1672U	2.09E-10	(.7 43.1)	1674U	1.60E-10	(.6 37.5)	1676U	1.62E-10	(.6 24.0)	1678	1.92E-10	(.7 19.6)
1680	1.91E-10	(.8 24.0)	1682	1.86E-10	(.8 29.7)	1684	1.96E-10	(.8 29.3)	1686	2.03E-10	(.8 29.5)	1688	2.04E-10	(.9 31.9)
1690	2.15E-10	(1.0 26.2)	1692	2.06E-10	(1.1 15.1)	1694	1.78E-10	(.9 10.6)	1696	1.70E-10	(.9 7.2)	1698	1.76E-10	(1.0 3.3)
1700	1.67E-10	(.8 9.8)	1702	1.68E-10	(.8 23.2)	1704	1.87E-10	(.9 30.0)	1706	1.99E-10	(1.0 33.2)	1708	1.94E-10	(1.0 31.7)
1710	1.89E-10	(1.0 25.6)	1712	1.88E-10	(1.1 21.1)	1714	1.95E-10	(1.1 18.9)	1716	1.99E-10	(1.2 21.8)	1718	1.99E-10	(1.1 28.9)
1720	2.00E-10	(1.1 32.7)	1722	2.07E-10	(1.2 31.4)	1724	2.06E-10	(1.3 28.6)	1726	1.98E-10	(1.3 28.6)	1728	1.96E-10	(1.2 31.1)
1730	2.02E-10	(1.2 30.5)	1732	2.10E-10	(1.3 25.6)	1734	2.15E-10	(1.3 22.6)	1736	2.14E-10	(1.3 24.4)	1738	2.10E-10	(1.4 25.4)
1740	1.95E-10	(1.3 24.4)	1742	1.83E-10	(1.3 26.0)	1744	1.73E-10	(1.1 30.5)	1746	1.62E-10	(1.1 30.6)	1748	1.56E-10	(1.1 27.1)
1750	1.59E-10	(1.1 26.8)	1752	1.57E-10	(1.1 28.8)	1754	1.48E-10	(1.1 25.0)	1756	1.41E-10	(1.1 15.6)	1758	1.39E-10	(1.1 9.1)
1760	1.36E-10	(1.0 3.9)	1762	1.32E-10	(1.0 .3)	1764	1.31E-10	(1.0 .4)	1766	1.38E-10	(1.0 6.5)	1768	1.44E-10	(1.1 10.8)
1770	1.42E-10	(1.1 13.1)	1772	1.34E-10	(1.1 10.4)	1774	1.33E-10	(1.0 4.4)	1776	1.40E-10	(1.1 2.7)	1778	1.45E-10	(1.1 7.2)
1780	1.44E-10	(1.2 11.5)	1782	1.43E-10	(1.2 12.6)	1784	1.36E-10	(1.2 15.2)	1786	1.19E-10	(1.1 18.4)	1788	1.10E-10	(1.0 16.3)
1790	1.19E-10	(1.1 10.7)	1792	1.35E-10	(1.1 8.1)	1794	1.43E-10	(1.2 7.4)	1796	1.43E-10	(1.2 7.9)	1798	1.43E-10	(1.2 9.6)
1800	1.45E-10	(1.3 12.6)	1802	1.43E-10	(1.3 15.2)	1804	1.42E-10	(1.3 16.8)	1806	1.43E-10	(1.3 17.7)	1808	1.48E-10	(1.3 17.3)
1810	1.51E-10	(1.4 16.6)	1812	1.51E-10	(1.4 15.9)	1814	1.47E-10	(1.4 17.8)	1816	1.46E-10	(1.4 20.5)	1818	1.45E-10	(1.4 20.7)
1820	1.43E-10	(1.4 17.5)	1822	1.38E-10	(1.3 14.2)	1824	1.36E-10	(1.3 13.0)	1826	1.36E-10	(1.3 13.7)	0	0	(0.0 0.0)
1800	1.45E-10	(1.3 12.3)	1805	1.43E-10	(1.3 17.4)	1810	1.50E-10	(1.3 16.7)	1815	1.47E-10	(1.4 19.2)	1820	1.41E-10	(1.3 17.4)
1825	1.37E-10	(1.3 13.2)	1830	1.39E-10	(1.4 17.7)	1835	1.42E-10	(1.4 17.2)	1840	1.44E-10	(1.4 18.3)	1845	1.47E-10	(1.4 18.5)
1850	1.43E-10	(1.4 16.8)	1855	1.30E-10	(1.4 11.2)	1860	1.26E-10	(1.3 10.9)	1865	1.25E-10	(1.4 17.8)	1870	1.25E-10	(1.4 17.6)
1875	1.23E-10	(1.4 12.5)	1880	1.27E-10	(1.4 13.1)	1885	1.29E-10	(1.4 15.6)	1890	1.37E-10	(1.4 15.8)	1895	1.32E-10	(1.4 9.8)
1900	1.26E-10	(1.4 10.0)	1905	1.26E-10	(1.4 12.9)	1910	1.25E-10	(1.4 10.6)	1915	1.15E-10	(1.4 10.2)	1920	1.16E-10	(1.4 13.7)
1925	1.21E-10	(1.4 5.3)	1930	1.22E-10	(1.4 2.4)	1935	1.12E-10	(1.3 5.2)	1940	1.11E-10	(1.3 4.8)	1945	1.14E-10	(1.4 5.9)
1950	1.12E-10	(1.4 4.3)	1955	1.14E-10	(1.4 6.4)	1960	1.19E-10	(1.4 9.2)	1965	1.21E-10	(1.4 11.1)	1970	1.24E-10	(1.4 14.3)
1975	1.27E-10	(1.4 16.7)	1980	1.24E-10	(1.4 15.1)	1985	1.22E-10	(1.4 11.8)	1990	1.21E-10	(1.4 9.8)	1995	1.21E-10	(1.4 8.6)
2000	1.16E-10	(1.4 12.3)	2005	1.11E-10	(1.4 14.5)	2010	1.10E-10	(1.4 12.2)	2015	1.12E-10	(1.4 11.0)	2020	1.14E-10	(1.4 12.8)
2025	1.15E-10	(1.4 9.3)	2030	1.12E-10	(1.4 7.0)	2035	1.04E-10	(1.4 7.2)	2040	9.82E-11	(1.4 4.5)	2045	9.99E-11	(1.4 8.8)
2050	9.96E-11	(1.4 1.1)	2055	9.65E-11	(1.4 4.4)	2060	9.75E-11	(1.4 4.3)	2065	9.71E-11	(1.4 1.7)	2070	9.25E-11	(1.4 2.6)
2075	9.01E-11	(1.4 4.4)	2080	9.38E-11	(1.4 2.1)	2085	9.88E-11	(1.4 0.0)	2090	9.92E-11	(1.4 1.5)	2095	9.82E-11	(1.4 3.5)
2100	9.65E-11	(1.4 2.4)	2105	9.31E-11	(1.4 .2)	2110	8.99E-11	(1.4 2.4)	2115	8.84E-11	(1.4 2.6)	2120	8.90E-11	(1.4 2.2)
2125	8.76E-11	(1.4 2.8)	2130	8.46E-11	(1.4 2.7)	2135	8.39E-11	(1.4 7.4)	2140	8.33E-11	(1.4 8.1)	2145	8.23E-11	(1.4 6.5)
2150	8.29E-11	(1.4 5.0)	2155	8.30E-11	(1.3 1.9)	2160	8.32E-11	(1.3 2.7)	2165	8.48E-11	(1.3 2.7)	2170	8.55E-11	(1.3 1.8)
2175	8.42E-11	(1.3 3.9)	2180	8.27E-11	(1.3 .1)	2185	8.44E-11	(1.3 5.9)	2190	8.78E-11	(1.2 9.1)	2195	8.91E-11	(1.2 8.6)
2200	8.69E-11	(1.2 5.2)	2205	8.30E-11	(1.3 1.0)	2210	8.05E-11	(1.3 1.1)	2215	8.03E-11	(1.3 9.1)	2220	8.13E-11	(1.3 1.1)
2225	8.25E-11	(1.2 8.1)	2230	8.36E-11	(1.2 1.1)	2235	8.43E-11	(1.2 3.3)	2240	8.36E-11	(1.2 7.0)	2245	8.22E-11	(1.2 9.9)
2250	8.06E-11	(1.2 8.1)	2255	7.86E-11	(1.2 3.4)	2260	7.70E-11	(1.2 1.7)	2265	7.68E-11	(1.2 3.7)	2270	7.81E-11	(1.2 .3)
2275	7.87E-11	(1.2 5.6)	2280	7.78E-11	(1.2 5.9)	2285	7.66E-11	(1.2 8.8)	2290	7.61E-11	(1.2 5.1)	2295	7.60E-11	(1.2 2.9)
2300	7.50E-11	(1.2 3.8)	2305	7.34E-11	(1.2 5.9)	2310	7.15E-11	(1.2 6.7)	2315	6.98E-11	(1.2 6.8)	0	0	(0.0 0.0)
2300	7.50E-11	(1.2 4.0)	2310	7.15E-11	(1.2 6.6)	2320	6.83E-11	(1.2 6.2)	2330	6.70E-11	(1.2 2.6)	2340	6.77E-11	(1.2 1.2)
2350	6.93E-11	(1.2 4.2)	2360	6.97E-11	(1.2 4.3)	2370	7.00E-11	(1.2 2.7)	2380	7.09E-11	(1.1 3.9)	2390	7.07E-11	(1.1 7.4)
2400	6.91E-11	(1.1 9.9)	2410	6.62E-11	(1.2 6.9)	2420	6.31E-11	(1.2 .4)	2430	6.21E-11	(1.2 .6)	2440	6.35E-11	(1.1 2.1)
2450	6.70E-11	(1.1 6.7)	2460	6.95E-11	(1.1 12.9)	2470	6.68E-11	(1.1 15.0)	2480	6.29E-11	(1.1 11.9)	2490	6.23E-11	(1.1 11.5)
2500	6.32E-11	(1.1 17.5)	2510	6.40E-11	(1.0 24.1)	2520	6.27E-11	(1.0 24.5)	2530	5.95E-11	(1.1 19.5)	2540	5.89E-11	(1.1 15.4)
2550	6.04E-11	(1.1 14.1)	2560	5.97E-11	(1.1 12.6)	2570	5.73E-11	(1.1 10.1)	2580	5.63E-11	(1.1 8.5)	2590	5.66E-11	(1.1 8.8)
2600	5.69E-11	(1.1 8.1)	2610	5.61E-11	(1.1 5.3)	2620	5.50E-11	(1.1 3.2)	2630	5.44E-11	(1.1 4.1)	2640	5.52E-11	(1.1 9.1)
2650	5.72E-11	(1.1 15.7)	2660	5.90E-11	(1.0 20.0)	2670	5.83E-11	(1.0 21.5)	2680	5.63E-11	(1.0 23.1)	2690	5.47E-11	(1.0 25.0)
2700	5.28E-11	(1.0 23.4)	2710	5.10E-11	(1.0 18.2)	2720	5.04E-11	(1.0 13.9)	2730	5.13E-11	(1.0 14.7)	2740	5.25E-11	(1.0 19.5)
2750	5.24E-11	(1.0 23.2)	2760	5.05E-11	(1.0 21.5)	2770	4.81E-11	(1.0 14.8)	2780	4.68E-11	(1.0 8.8)	2790	4.70E-11	(1.0 7.2)
2800	4.76E-11	(1.0 10.7)	2810	4.73E-11	(1.0 15.7)	2820	4.63E-11	(1.0 19.7)	2830	4.58E-11	(1.0 21.7)	2840	4.60E-11	(1.0 23.5)
2850	4.63E-11	(1.0 25.5)	2860	4.60E-11	(1.0 26.1)	2870	4.53E-11	(1.0 24.6)	2880	4.50E-11	(1.0 20.8)	2890	4.49E-11	(1.0 15.7)
2900	4.46E-11	(1.0 11.8)	2910	4.40E-11	(1.0 10.5)	2920	4.35E-11	(1.0 12.6)	2930	4.33E-11	(1.0 15.9)	2940	4.31E-11	(1.0 18.2)
2950	4.27E-11	(1.0 17.8)	2960	4.24E-11	(1.0 16.0)	2970	4.18E-11	(1.0 14.6)	2980	4.10E-11	(1.0 14.6)	2990	4.02E-11	(1.0 14.9)
3000	3.93E-11	(1.0 14.4)	3010	3.87E-11	(1.0 12.2)	3020	3.83E-11	(1.0 9.4)	3030	3.79E-11	(1.0 7.1)	0	0	(0.0 0.0)
3000	3.94E-11	(1.0 14.2)	3020	3.83E-11	(1.0 9.4)	3040	3.77E-11	(1.0 6.3)	3060	3.77E-11	(1.0 8.8)	3080	3.80E-11	(1.0 12.3)
3100	3.77E-11	(1.0 12.0)	3120	3.68E-11	(1.0 10.3)	3140	3.65E-11	(1.0 9.8)	3160	3.64E-11	(1.0 9.1)	3180	3.57E-11	(1.0 11.6)
3200	3.49E-11	(1.0 17.1)	3220	3.35E-11	(1.0 17.2)	3240	3.20E-11	(1.0 12.6)	3260	3.16E-11	(1.0 8.9)	3280	3.21E-11	(1.0 7.4)
3300	3.27E-11	(1.0 7.9)	3320	3.25E-11	(1.0 8.8)	3340	3.04E-11	(1.0 5.3)	3360	2.85E-11	(1.0 .2)	3380	2.75E-11	(1.1 2.4)
3400	2.67E-11	(1.1 2.1)	3420	2.59E-11	(1.1 .3)	3440	2.52E-11	(1.1 2.3)	3460	2.44E-11	(1.1 2.3)	3480	2.33E-11	(1.1 2.4)
3500	2.27E-11	(1.1 3.8)	3520	2.28E-11	(1.1 5.1)	3540	2.30E-11	(1.1 5.3)	3560	2.29E-11	(1.1 5.7)	3580	2.25E-11	(1.1 7.6)
3600	2.21E-11	(1.1 9.2)	3620	2.15E-11	(1.1 8.7)	3640	2.07E-11	(1.1 5.7)	3660	2.00E-11	(1.1 1.6)	3680	1.94E-11	(1.1 1.2)
3700	1.89E-11	(1.1 2.6)	3720	1.82E-11	(1.2 2.9)	3740	1.76E-11	(1.2 2.6)	3760	1.70E-11	(1.2 2.9)	3780	1.67E-11	(1.2 3.3)
3800	1.67E-11	(1.2 4.4)	3820	1.69E-11	(1.2 6.4)	3840	1.71E-11	(1.2 8.7)	3860	1.71E-11	(1.2 11.0)	3880	1.68E-11	(1.2 12.1)
3900	1.64E-11	(1.3 12.2)	3920	1.61E-11	(1.3 11.9)	3940	1.60E-11	(1.3 11.7)	3960	1.61E-11	(1.3 11.3)	3980	1.64E-11	(1.3 11.7)
4000	1.66E-11	(1.3 12.3)	4020	1.68E-11	(1.3 12.7)	4040	1.70E-11	(1.3 13.1)	4060	1.71E-11	(1.3 13.6)	4080	1.71E-11	(1.3 13.9)
4100	1.72E-11	(1.3 13.6)	4120	1.75E-11	(1.3 13.7)	4140	1.75E-11	(1.3 13.8)	4160	1.78E-11	(1.3 13.5)	4180	1.81E-11	(1.4 13.0)
135	0.00(0.0 0.0)	139	0.00(0.0 0.0)	148	0.00(0.0 0.0)	154								



LAMBDA, F (WT, SIG)	F = AVE FLUX	FROM LAM-DEL/2 TO LAM-DEL/2	(0.0 0.0)
1580, 0.0 (0.0 0.0)	1582, 0.0 (0.0 0.0)	1584, 0.0 (0.0 0.0)	1586, 0.0 (0.0 0.0)
1590, 2.25E-10(1.6 2.8)	1592, 2.46E-10(1.6 3.3)	1594, 2.53E-10(1.6 2.3)	1596, 2.93E-10(1.6 13.3)
1600, 2.66E-10(1.7 9.7)	1602, 2.25E-10(1.7 6.7)	1604, 1.99E-10(1.7 10.6)	1606, 2.00E-10(1.7 6.8)
1610, 2.17E-10(1.8 12.3)	1612, 1.72E-10(1.8 4.5)	1614, 1.73E-10(1.8 13.0)	1616, 1.89E-10(1.9 4.0)
1620, 1.91E-10(1.9 16.2)	1622, 2.14E-10(1.9 15.1)	1624, 2.36E-10(1.9 8.8)	1626, 2.35E-10(1.9 6.0)
1630, 1.96E-10(1.9 14.1)	1632, 2.02E-10(1.9 19.0)	1634, 2.08E-10(1.9 19.4)	1636, 2.00E-10(1.9 12.9)
1640, 2.03E-10(1.9 6.3)	1642, 2.13E-10(1.9 15.2)	1644, 2.21E-10(1.9 20.9)	1646, 2.20E-10(1.9 16.2)
1650, 2.33E-10(1.9 12.4)	1652, 2.43E-10(1.9 8.7)	1654, 2.08E-10(1.9 13.4)	1656, 1.84E-10(1.9 20.6)
1660, 2.09E-10(1.9 14.0)	1662, 2.25E-10(1.9 16.7)	1664, 2.34E-10(1.9 12.1)	1666, 2.22E-10(1.9 13.9)
1670, 2.26E-10(1.9 25.9)	1672, 2.32E-10(1.9 20.9)	1674, 2.23E-10(1.9 14.3)	1676, 2.16E-10(1.9 7.9)
1680, 2.52E-10(1.9 9.2)	1682, 2.48E-10(1.9 7.3)	1684, 2.18E-10(1.9 13.2)	1686, 2.09E-10(1.9 21.9)
1690, 2.13E-10(1.9 14.8)	1692, 2.21E-10(1.9 12.9)	1694, 2.20E-10(1.9 12.3)	1696, 2.12E-10(1.9 9.0)
1700, 2.28E-10(1.9 11.6)	1702, 2.27E-10(1.9 12.2)	1704, 2.16E-10(1.9 11.1)	1706, 2.23E-10(1.9 10.7)
1710, 2.21E-10(1.9 8.8)	1712, 2.07E-10(1.9 7.6)	1714, 2.10E-10(1.9 8.1)	1716, 2.08E-10(1.9 6.1)
1720, 1.80E-10(1.9 9.7)	1722, 1.74E-10(1.9 13.0)	1724, 1.76E-10(1.9 14.3)	1726, 1.83E-10(1.9 13.9)
1730, 1.96E-10(1.9 10.4)	1732, 2.14E-10(1.9 5.2)	1734, 2.35E-10(1.9 6.4)	1736, 2.39E-10(1.9 7.3)
1740, 1.97E-10(1.9 4.8)	1742, 1.89E-10(1.9 4.2)	1744, 1.87E-10(1.9 6.7)	1746, 1.88E-10(1.9 9.0)
1750, 1.89E-10(1.9 4.7)	1752, 1.89E-10(1.9 4.5)	1754, 1.91E-10(1.9 7.3)	1756, 1.91E-10(1.9 7.4)
1760, 1.86E-10(1.9 8.1)	1762, 1.87E-10(1.9 12.9)	1764, 1.95E-10(1.9 17.5)	1766, 2.00E-10(1.9 16.7)
1770, 1.84E-10(1.9 12.0)	1772, 1.74E-10(1.9 9.3)	1774, 1.64E-10(1.9 4.7)	1776, 1.58E-10(1.9 1.4)
1780, 1.61E-10(1.9 8.0)	1782, 1.62E-10(1.9 2.6)	1784, 1.56E-10(1.9 3.1)	1786, 1.52E-10(1.9 5.8)
1790, 1.73E-10(1.9 9.9)	1792, 1.65E-10(1.9 12.3)	1794, 1.61E-10(1.9 16.7)	1796, 1.61E-10(1.9 20.4)
1800, 1.66E-10(1.9 13.9)	1802, 1.70E-10(1.9 6.2)	1804, 1.79E-10(1.9 2.1)	1806, 1.79E-10(1.9 9.9)
1810, 1.76E-10(1.9 1.5)	1812, 1.71E-10(1.9 4.1)	1814, 1.67E-10(1.9 5.8)	1816, 1.65E-10(1.9 4.9)
1820, 1.71E-10(1.9 7.7)	1822, 1.67E-10(1.9 2.2)	1824, 1.58E-10(1.9 4.5)	1826, 1.51E-10(1.9 7.0)
1800, 1.67E-10(1.9 13.5)	1805, 1.77E-10(1.9 1.4)	1810, 1.76E-10(1.9 1.8)	1815, 1.66E-10(1.9 4.9)
1825, 1.59E-10(1.9 5.7)	1830, 1.49E-10(1.9 10.9)	1835, 1.60E-10(1.9 10.8)	1840, 1.60E-10(1.9 14.5)
1850, 1.59E-10(1.9 4.3)	1855, 1.54E-10(1.9 3.1)	1860, 1.56E-10(1.9 6.7)	1865, 1.56E-10(1.9 8.0)
1875, 1.66E-10(1.9 3.8)	1880, 1.62E-10(2.0 4.7)	1885, 1.64E-10(2.0 4.7)	1890, 1.74E-10(2.0 5.0)
1900, 1.57E-10(2.0 9.3)	1905, 1.49E-10(2.0 7.5)	1910, 1.54E-10(2.0 6.0)	1915, 1.60E-10(2.0 9.0)
1925, 1.66E-10(2.1 6.6)	1930, 1.58E-10(2.2 5.1)	1935, 1.45E-10(2.2 12.5)	1940, 1.50E-10(2.2 14.1)
1950, 1.74E-10(2.5 16.8)	1955, 1.68E-10(2.3 17.3)	1960, 1.62E-10(2.3 10.6)	1965, 1.57E-10(2.3 6.0)
1975, 1.48E-10(2.3 9.4)	1980, 1.54E-10(2.3 6.9)	1985, 1.60E-10(2.4 12.0)	1990, 1.60E-10(2.4 9.3)
2000, 1.60E-10(2.6 17.6)	2005, 1.60E-10(2.6 19.2)	2010, 1.56E-10(2.6 16.5)	2015, 1.47E-10(2.5 11.0)
2025, 1.40E-10(2.4 4.9)	2030, 1.34E-10(2.4 5.1)	2035, 1.36E-10(2.4 10.7)	2040, 1.35E-10(2.4 9.6)
2050, 1.29E-10(2.4 10.7)	2055, 1.29E-10(2.4 9.8)	2060, 1.33E-10(2.4 8.1)	2065, 1.33E-10(2.4 6.9)
2075, 1.28E-10(2.5 11.3)	2080, 1.28E-10(2.5 12.7)	2085, 1.27E-10(2.5 9.7)	2090, 1.25E-10(2.5 4.8)
2100, 1.25E-10(2.5 7.5)	2105, 1.21E-10(2.5 8.9)	2110, 1.18E-10(2.5 10.0)	2115, 1.19E-10(2.5 12.1)
2125, 1.19E-10(2.5 10.8)	2130, 1.17E-10(2.4 8.3)	2135, 1.18E-10(2.4 7.5)	2140, 1.22E-10(2.4 8.3)
2150, 1.17E-10(2.3 9.1)	2155, 1.13E-10(2.3 7.8)	2160, 1.13E-10(2.3 7.8)	2165, 1.16E-10(2.3 7.9)
2175, 1.18E-10(2.3 6.8)	2180, 1.15E-10(2.3 8.7)	2185, 1.11E-10(2.3 10.4)	2190, 1.07E-10(2.3 10.8)
2200, 1.02E-10(2.3 10.0)	2205, 1.04E-10(2.3 8.7)	2210, 1.05E-10(2.3 9.6)	2215, 1.05E-10(2.3 9.6)
2225, 1.02E-10(2.3 12.7)	2230, 1.02E-10(2.3 13.2)	2235, 1.04E-10(2.3 11.5)	2240, 1.06E-10(2.2 9.9)
2250, 1.02E-10(2.2 8.7)	2255, 1.01E-10(2.2 8.1)	2260, 1.02E-10(2.2 6.9)	2265, 1.01E-10(2.2 5.6)
2275, 9.97E-11(2.2 6.6)	2280, 1.00E-10(2.2 7.8)	2285, 1.01E-10(2.2 8.3)	2290, 1.01E-10(2.2 9.6)
2300, 1.01E-10(2.1 9.1)	2305, 1.02E-10(2.1 6.0)	2310, 1.01E-10(2.1 2.9)	2315, 9.90E-11(2.1 3.2)
2300, 1.01E-10(2.1 8.8)	2310, 1.01E-10(2.1 3.2)	2320, 9.73E-11(2.1 7.3)	2330, 9.44E-11(2.1 11.2)
2350, 9.12E-11(2.1 9.3)	2360, 9.31E-11(2.0 10.4)	2370, 9.52E-11(2.0 7.7)	2380, 9.29E-11(2.0 4.8)
2400, 8.79E-11(1.9 9.2)	2410, 8.71E-11(1.9 11.0)	2420, 8.70E-11(1.9 9.4)	2430, 8.70E-11(1.9 9.4)
2450, 8.29E-11(1.9 9.2)	2460, 8.39E-11(1.9 11.0)	2470, 8.52E-11(1.8 7.9)	2480, 8.34E-11(1.9 5.0)
2500, 8.24E-11(1.9 11.8)	2510, 8.59E-11(1.9 13.5)	2520, 8.43E-11(1.8 12.2)	2530, 8.02E-11(1.8 7.4)
2550, 7.94E-11(1.7 8.4)	2560, 7.97E-11(1.7 5.4)	2570, 7.92E-11(1.7 5.2)	2580, 7.93E-11(1.7 5.7)
2600, 7.80E-11(1.7 5.9)	2610, 8.24E-11(1.6 6.7)	2620, 8.09E-11(1.6 7.1)	2630, 7.93E-11(1.6 8.1)
2650, 7.28E-11(1.6 7.1)	2660, 6.95E-11(1.7 7.0)	2670, 6.81E-11(1.7 7.4)	2680, 6.82E-11(1.7 6.9)
2700, 7.07E-11(1.6 5.5)	2710, 7.19E-11(1.6 6.3)	2720, 7.05E-11(1.6 9.0)	2730, 6.71E-11(1.7 12.1)
2750, 6.41E-11(1.7 10.2)	2760, 6.32E-11(1.7 7.9)	2770, 6.36E-11(1.7 6.7)	2780, 6.10E-11(1.7 7.0)
2800, 6.22E-11(1.6 6.5)	2810, 6.41E-11(1.6 6.4)	2820, 6.48E-11(1.6 7.9)	2830, 6.42E-11(1.6 9.4)
2850, 6.38E-11(1.6 10.9)	2860, 6.32E-11(1.6 10.4)	2870, 6.17E-11(1.6 8.6)	2880, 6.00E-11(1.6 6.3)
2900, 5.78E-11(1.5 4.6)	2910, 5.73E-11(1.5 5.0)	2920, 5.71E-11(1.5 6.3)	2930, 5.66E-11(1.5 7.8)
2950, 5.68E-11(1.4 8.6)	2960, 5.75E-11(1.4 6.7)	2970, 5.80E-11(1.5 4.4)	2980, 5.72E-11(1.5 2.1)
3000, 5.59E-11(1.5 5.6)	3010, 5.58E-11(1.5 7.0)	3020, 5.60E-11(1.5 7.5)	3030, 5.57E-11(1.5 7.0)
3000, 5.59E-11(1.5 5.6)	3020, 5.59E-11(1.5 7.2)	3040, 5.48E-11(1.5 5.9)	3060, 5.28E-11(1.5 5.4)
3100, 5.20E-11(1.4 8.2)	3120, 5.31E-11(1.4 7.1)	3140, 5.23E-11(1.4 4.1)	3160, 5.07E-11(1.4 2.1)
3200, 4.86E-11(1.4 7.9)	3220, 4.78E-11(1.4 9.9)	3240, 4.72E-11(1.4 6.7)	3260, 4.61E-11(1.4 2.1)
3300, 4.54E-11(1.4 4.2)	3320, 4.62E-11(1.4 5.5)	3340, 4.56E-11(1.3 4.4)	3360, 4.44E-11(1.3 3.4)
3400, 4.32E-11(1.4 2.6)	3420, 4.27E-11(1.4 2.8)	3440, 4.15E-11(1.4 7.7)	3460, 3.99E-11(1.5 10.4)
3500, 3.91E-11(1.4 5.9)	3520, 3.87E-11(1.4 4.7)	3540, 3.78E-11(1.4 3.6)	3560, 3.72E-11(1.4 2.2)
3600, 3.67E-11(1.4 3.9)	3620, 3.59E-11(1.4 5.9)	3640, 3.46E-11(1.4 8.4)	3660, 3.34E-11(1.5 10.2)
3700, 3.17E-11(1.5 11.9)	3720, 3.13E-11(1.6 11.8)	3740, 3.11E-11(1.6 10.4)	3760, 3.13E-11(1.6 9.1)
3800, 3.25E-11(1.5 7.1)	3820, 3.30E-11(1.5 6.4)	3840, 3.32E-11(1.5 6.8)	3860, 3.31E-11(1.5 8.7)
3900, 3.23E-11(1.5 13.2)	3920, 3.17E-11(1.6 13.5)	3940, 3.12E-11(1.6 12.7)	3960, 3.07E-11(1.7 11.8)
4000, 3.01E-11(1.7 11.0)	4020, 3.01E-11(1.8 11.4)	4040, 3.01E-11(1.8 11.7)	4060, 3.06E-11(1.8 12.0)
4100, 3.22E-11(1.8 12.7)	4120, 3.35E-11(1.8 12.6)	4140, 3.45E-11(1.8 11.9)	4160, 3.55E-11(1.8 11.2)
135, 0.00(0.0 0.0)	139, 0.00(0.0 0.0)	148, 0.00(0.0 0.0)	154, 0.00(0.0 0.0)
166, 3.05(1.4 12.0)	172, 3.13(1.7 4.0)	181, 3.35(1.9 4.4)	192, 3.39(2.1 5.0)
219, 3.81(2.3 8.5)	245, 4.07(1.9 5.8)	280, 4.39(1.6 4.9)	360, 4.96(1.5 3.6)
X,Y(MM) 3.8 4.7 SL4- 11	12 SCANS, T= 212	HR 2800	WT .6, SCALE 1.40
X,Y(MM) 3.8 4.7 SL4- 12	11 SCANS, T= 86	HR 2800	WT .6, SCALE 1.48
X,Y(MM) 6.0 7.1 SL4-120	19 SCANS, T= 78	HR 2800	WT .7, SCALE .76
X,Y(MM) -6.5 -18.5 SL4- 9	21 SCANS, T= 78	HR 2800	WT .7, SCALE .96



**R = 0.56**

LAMBDA, F ( WT, SIG)				F = AVE FLUX FROM LAM-DEL/2 TO LAM-DEL/2				LAMBDA, F ( WT, SIG)				F = AVE FLUX FROM LAM-DEL/2 TO LAM-DEL/2				LAMBDA, F ( WT, SIG)				F = AVE FLUX FROM LAM-DEL/2 TO LAM-DEL/2																																																																																																																																																																																																																																																																																																																																																																																																																							
1510U	1.34E-10	1	0.0	1512U	1.85E-10	1	0.0	1514U	2.24E-10	2	0.0	1516U	2.05E-10	2	0.0	1518U	2.23E-10	2	0.0	1520U	2.37E-10	2	0.0	1522U	2.12E-10	2	0.0	1524U	2.49E-10	3	0.0	1526U	2.33E-10	3	0.0	1528U	2.47E-10	3	0.0	1530U	2.28E-10	3	0.0	1532U	2.05E-10	2	0.0	1534U	1.90E-10	2	0.0	1536U	2.07E-10	2	0.0	1538U	2.19E-10	2	0.0	1540U	1.82E-10	3	0.0	1542U	1.98E-10	3	0.0	1544U	2.36E-10	3	0.0	1546U	2.37E-10	3	0.0	1548U	2.22E-10	3	0.0	1550U	2.05E-10	3	0.0	1552U	1.81E-10	2	0.0	1554U	1.72E-10	2	0.0	1556U	1.64E-10	2	0.0	1558U	1.36E-10	1	0.0	1560U	1.37E-10	1	0.0	1562U	1.49E-10	1	0.0	1564U	1.13E-10	2	0.0	1566U	1.84E-10	2	0.0	1568U	1.89E-10	2	0.0	1570U	1.77E-10	2	0.0	1572U	1.97E-10	2	0.0	1574U	1.86E-10	2	0.0	1576U	1.87E-10	2	0.0	1578U	1.89E-10	2	0.0	1580U	1.81E-10	3	0.0	1582U	1.96E-10	3	0.0	1584U	1.86E-10	4	0.0	1586U	2.02E-10	4	0.0	1588U	2.12E-10	4	0.0	1590U	1.68E-10	3	0.0	1592U	1.35E-10	3	0.0	1594U	1.54E-10	3	0.0	1596U	1.83E-10	3	0.0	1598U	1.93E-10	4	0.0	1600U	1.98E-10	4	0.0	1602U	2.04E-10	4	0.0	1604U	2.03E-10	4	0.0	1606U	1.89E-10	4	0.0	1608U	1.90E-10	4	0.0	1610U	1.93E-10	4	0.0	1612U	1.91E-10	4	0.0	1614U	1.90E-10	4	0.0	1616U	1.87E-10	4	0.0	1618U	1.95E-10	4	0.0	1620U	2.08E-10	5	0.0	1622U	2.19E-10	5	0.0	1624U	2.25E-10	5	0.0	1626U	2.20E-10	5	0.0	1628U	2.12E-10	5	0.0	1630U	2.02E-10	5	0.0	1632U	2.05E-10	5	0.0	1634U	2.11E-10	5	0.0	1636U	2.10E-10	5	0.0	1638U	2.04E-10	5	0.0	1640U	1.94E-10	5	0.0	1642U	1.97E-10	5	0.0	1644U	1.92E-10	5	0.0	1646U	1.94E-10	5	0.0	1648U	1.97E-10	5	0.0	1650U	1.96E-10	5	0.0	1652U	1.10E-10	5	0.0	1654U	2.23E-10	6	0.0	1656U	2.26E-10	6	0.0	1658U	2.27E-10	6	0.0	1660U	2.16E-10	5	0.0	1662U	2.07E-10	5	0.0	1664U	2.16E-10	5	0.0	1666U	2.31E-10	5	0.0	1668U	2.33E-10	5	0.0	1670U	2.28E-10	5	0.0	1672U	2.26E-10	5	0.0	1674U	2.31E-10	5	0.0	1676U	2.36E-10	5	0.0	1678U	2.36E-10	5	0.0	1680U	2.37E-10	4	0.0	1682U	2.37E-10	4	0.0	1684U	2.33E-10	4	0.0	1686U	2.33E-10	4	0.0	1688U	2.37E-10	4	0.0	1690U	2.44E-10	4	0.0	1692U	2.50E-10	4	0.0	1694U	2.46E-10	4	0.0	1696U	2.43E-10	4	0.0	1698U	2.53E-10	4	0.0	1700U	2.61E-10	4	0.0	1702U	2.59E-10	4	0.0	1704U	2.47E-10	4	0.0	1706U	2.35E-10	4	0.0	1708U	2.35E-10	4	0.0	1710U	2.31E-10	4	0.0	1712U	2.27E-10	4	0.0	1714U	2.20E-10	4	0.0	1716U	2.10E-10	4	0.0	1718U	2.02E-10	4	0.0	1720U	2.74E-10	3	0.0	1722U	2.68E-10	3	

X,Y(MM) -2.9 -10.5 SL4- 81 20 SCANS, T= 225: HD 58260 WT .7,SCALE 1.00

**R = 0.42**



[illegible]

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X, Y (MM)  -6.7   3.8   SL4- 14   19 SCANS, T= 21.8 HR 2824   WT  .7, SCALE  .94
X, Y (MM)  -6.7   3.8   SL4- 15   23 SCANS, T=  7.3 HR 2824   WT  .7, SCALE 1.05

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$$R = 0.68 \pm$$



LAMBDA, F (W, SIG)				F = AVE FLUX FROM LAM-DEL/2 TO LAM-DEL/2				LAMBDA, F (W, SIG)				F = AVE FLUX FROM LAM-DEL/2 TO LAM-DEL/2			
1480U	0.	0.0	0.0	1482U	0.	0.0	0.0	1484U	0.	0.0	0.0	1486U	0.	0.0	0.0
1490U	1.67E-10	2	0.0	1492U	1.93E-10	2	0.0	1494U	2.21E-10	2	0.0	1496U	1.98E-10	2	0.0
1500U	1.57E-10	2	0.0	1502U	1.12E-10	2	0.0	1504U	1.32E-10	2	0.0	1506U	1.50E-10	2	0.0
1510U	1.77E-10	2	0.0	1512U	1.58E-10	2	0.0	1514U	1.67E-10	2	0.0	1516U	1.33E-10	2	0.0
1520U	1.29E-10	1	0.0	1522U	1.06E-10	1	0.0	1524U	1.22E-10	2	0.0	1526U	1.63E-10	2	0.0
1530U	2.03E-10	3	0.0	1532U	1.73E-10	3	0.0	1534U	1.30E-10	2	0.0	1536U	1.05E-10	1	0.0
1540U	1.85E-10	2	0.0	1542U	1.64E-10	2	0.0	1544U	1.42E-10	3	0.0	1546U	1.57E-10	2	0.0
1550U	1.13E-10	2	0.0	1552U	2.23E-10	2	0.0	1554U	1.35E-10	2	0.0	1556U	1.50E-10	2	0.0
1560U	1.28E-10	3	0.0	1562U	1.38E-10	3	0.0	1564U	1.54E-10	4	0.0	1566U	1.66E-10	4	0.0
1570U	1.94E-10	5	0.0	1572U	1.86E-10	5	0.0	1574U	1.64E-10	5	0.0	1576U	1.67E-10	5	0.0
1580U	1.82E-10	5	0.0	1582U	1.81E-10	5	0.0	1584U	1.87E-10	6	0.0	1586U	1.95E-10	5	0.0
1590U	1.75E-10	6	0.0	1592U	2.05E-10	7	0.0	1594U	2.19E-10	7	0.0	1596U	2.01E-10	7	0.0
1600U	1.84E-10	6	0.0	1602U	2.08E-10	7	0.0	1604U	1.79E-10	6	0.0	1606U	1.69E-10	6	0.0
1610U	1.88E-10	6	0.0	1612U	1.97E-10	7	0.0	1614U	1.87E-10	7	0.0	1616U	2.08E-10	7	0.0
1620U	1.98E-10	6	0.0	1622U	2.23E-10	7	0.0	1624U	1.92E-10	7	0.0	1626U	1.80E-10	7	0.0
1630U	1.90E-10	7	0.0	1632U	1.97E-10	7	0.0	1634U	1.90E-10	7	0.0	1636U	1.80E-10	7	0.0
1640U	1.95E-10	7	0.0	1642U	2.10E-10	7	0.0	1644U	2.05E-10	7	0.0	1646U	1.82E-10	7	0.0
1650U	1.56E-10	6	0.0	1652U	1.66E-10	7	0.0	1654U	1.72E-10	7	0.0	1656U	1.74E-10	7	0.0
1660U	1.86E-10	7	0.0	1662U	1.70E-10	7	0.0	1664U	1.59E-10	7	0.0	1666U	1.68E-10	7	0.0
1670U	1.80E-10	7	0.0	1672U	1.71E-10	7	0.0	1674U	1.73E-10	7	0.0	1676U	1.75E-10	7	0.0
1680U	1.68E-10	7	0.0	1682U	1.71E-10	7	0.0	1684U	1.87E-10	7	0.0	1686U	1.90E-10	7	0.0
1690U	1.91E-10	7	0.0	1692U	1.97E-10	7	0.0	1694U	1.90E-10	7	0.0	1696U	1.79E-10	7	0.0
1700U	1.72E-10	7	0.0	1702U	1.74E-10	7	0.0	1704U	1.65E-10	7	0.0	1706U	1.53E-10	7	0.0
1710U	1.52E-10	7	0.0	1712U	1.48E-10	7	0.0	1714U	1.43E-10	7	0.0	1716U	1.43E-10	7	0.0
1720U	1.47E-10	7	0.0	1722U	1.42E-10	7	0.0	1724U	1.38E-10	7	0.0	1726U	1.46E-10	7	0.0
1730U	1.49E-10	7	0.0	1732U	1.42E-10	7	0.0	1734U	1.44E-10	7	0.0	1736U	1.45E-10	7	0.0
1740U	1.51E-1														

LAMBDA, F (WT, SIG)				F = AVE FLUX FROM LAM-DEL/2 TO LAM-DEL/2				F = AVE FLUX FROM LAM-DEL/2 TO LAM-DEL/2				F = AVE FLUX FROM LAM-DEL/2 TO LAM-DEL/2			
LAMBDA, O.	F	(WT,	SIG)	LAMBDA, O.	F	(WT,	SIG)	LAMBDA, O.	F	(WT,	SIG)	LAMBDA, O.	F	(WT,	SIG)
1590.0	0.0	(0.0	0.0)	1592.0	0.67E-10	(0.0	0.0)	1594.0	0.75E-10	(0.0	0.0)	1596.0	1.71E-10	(0.4	0.0)
1600.0	1.64E-10	(4.0	0.0)	1602.0	1.67E-10	(4.0	0.0)	1604.0	1.68E-10	(4.0	0.0)	1606.0	1.67E-10	(4.0	0.0)
1610.0	1.49E-10	(4.0	0.0)	1612.0	1.29E-10	(3.0	0.0)	1614.0	1.20E-10	(3.0	0.0)	1616.0	1.34E-10	(3.8	4.0)
1620.0	1.48E-10	(3.7	8.0)	1622.0	1.41E-10	(3.2	1.0)	1624.0	1.55E-10	(4.0	3.0)	1626.0	1.83E-10	(5.2	9.0)
1630.0	2.02E-10	(6.13	5.0)	1632.0	1.91E-10	(6.6	4.0)	1634.0	1.91E-10	(6.4	4.0)	1636.0	1.73E-10	(6.1	4.0)
1640.0	1.85E-10	(6.7	2.0)	1642.0	1.96E-10	(7.12	9.0)	1644.0	1.99E-10	(7.22	6.0)	1646.0	2.00E-10	(7.25	4.0)
1650.0	2.08E-10	(9.4	7.0)	1652.0	2.12E-10	(8.3	4.0)	1654.0	2.14E-10	(8.7	7.0)	1656.0	2.04E-10	(8.6	6.0)
1660.0	1.65E-10	(7.8	8.0)	1662.0	1.66E-10	(7.1	3.0)	1664.0	1.80E-10	(7.8	3.0)	1666.0	1.83E-10	(8.3	5.0)
1670.0	1.65E-10	(7.7	4.0)	1672.0	1.66E-10	(7.7	0.0)	1674.0	1.76E-10	(7.8	7.0)	1676.0	1.65E-10	(7.7	2.0)
1680.0	1.99E-10	(9.9	9.0)	1682.0	2.00E-10	(9.7	0.0)	1684.0	1.97E-10	(9.8	3.0)	1686.0	1.77E-10	(8.8	4.0)
1690.0	1.69E-10	(9.9	9.0)	1692.0	1.90E-10	(9.2	6.0)	1694.0	1.97E-10	(10.3	5.0)	1696.0	1.86E-10	(10.0	9.0)
1700.0	2.00E-10	(1.21	0.0)	1702.0	2.12E-10	(1.2	19.0)	1704.0	2.13E-10	(1.2	18.0)	1706.0	2.00E-10	(1.15	8.0)
1710.0	1.89E-10	(1.12	9.0)	1712.0	1.89E-10	(1.1	16.0)	1714.0	1.83E-10	(1.1	12.0)	1716.0	1.79E-10	(1.0	6.0)
1720.0	1.80E-10	(9.5	8.0)	1722.0	1.76E-10	(1.0	2.0)	1724.0	1.74E-10	(1.0	5.0)	1726.0	1.78E-10	(1.1	9.0)
1730.0	1.76E-10	(1.1	6.0)	1732.0	1.75E-10	(1.1	8.0)	1734.0	1.78E-10	(1.1	11.0)	1736.0	1.77E-10	(1.1	4.0)
1740.0	1.62E-10	(1.1	4.0)	1742.0	1.66E-10	(1.0	0.0)	1744.0	1.56E-10	(1.0	0.0)	1746.0	1.57E-10	(1.1	7.0)
1750.0	1.62E-10	(1.2	5.0)	1752.0	1.52E-10	(1.1	8.0)	1754.0	1.56E-10	(1.2	14.0)	1756.0	1.64E-10	(1.2	18.0)
1760.0	1.62E-10	(1.2	12.0)	1762.0	1.61E-10	(1.2	8.0)	1764.0	1.66E-10	(1.2	9.0)	1766.0	1.67E-10	(1.2	8.0)
1770.0	1.56E-10	(1.1	1.0)	1772.0	1.53E-10	(1.1	5.0)	1774.0	1.48E-10	(1.0	10.0)	1776.0	1.35E-10	(9.11	8.0)
1780.0	1.25E-10	(8.18	3.0)	1782.0	1.36E-10	(8.19	7.0)	1784.0	1.45E-10	(8.20	8.0)	1786.0	1.47E-10	(8.22	5.0)
1790.0	1.45E-10	(1.0	14.0)	1792.0	1.50E-10	(1.1	8.0)	1794.0	1.51E-10	(1.1	9.0)	1796.0	1.51E-10	(1.1	11.0)
1800.0	1.53E-10	(1.0	15.0)	1802.0	1.54E-10	(1.0	16.0)	1804.0	1.52E-10	(1.0	17.0)	1806.0	1.49E-10	(1.0	16.0)
1810.0	1.45E-10	(1.1	5.0)	1812.0	1.48E-10	(1.1	2.0)	1814.0	1.50E-10	(1.1	2.0)	1816.0	1.50E-10	(1.1	3.0)
1820.0	1.55E-1														

R = 0.48

LAMBDA, F (WT, SIG)	F = AVE FLUX FROM LAM-DEL/2 TO LAM+DEL/2				
1360U 5.88E-10(.3 .0)	1362U 5.85E-10(.3 .0)	1364 6.96E-10(.3 .0)	1366U 5.37E-10(.2 .0)	1368U 4.96E-10(.2 .0)	
1370U 5.28E-10(.2 .0)	1372U 4.49E-10(.2 .0)	1374U 5.73E-10(.2 .0)	1376U 5.77E-10(.2 .0)	1378U 3.25E-10(.1 .0)	
1380U 2.62E-10(.1 .0)	1382U 3.94E-10(.1 .0)	1384U 3.27E-10(.1 .0)	1386U 3.43E-10(.1 .0)	1388U 4.37E-10(.1 .0)	
1390U 2.68E-10(.1 .0)	1392U 1.31E-10(.1 .0)	1394U 9.89E-25(.1 .0)	1396U 1.25E-10(.1 .0)	1398U 4.92E-10(.1 .0)	
1400U 3.67E-10(.1 .0)	1402U 1.86E-10(.1 .0)	1404U 9.89E-25(.1 .0)	1406U 1.93E-11(.1 .0)	1408U 2.44E-10(.2 .0)	
1410 5.24E-10(.2 .0)	1412U 4.06E-10(.3 .0)	1414 4.81E-10(.4 .0)	1416 5.66E-10(.5 .0)	1418 7.09E-10(.7 .0)	
1420 6.73E-10(.5 .0)	1422 4.52E-10(.5 .0)	1424 4.89E-10(.4 .0)	1426 5.07E-10(.4 .0)	1428 5.17E-10(.4 .0)	
1430 4.80E-10(.5 .0)	1432 5.03E-10(.5 .0)	1434 5.19E-10(.5 .0)	1436 5.24E-10(.6 .0)	1438 6.44E-10(.7 .0)	
1440 6.11E-10(.7 .0)	1442 6.68E-10(.7 .0)	1444 6.45E-10(.7 .0)	1446 6.63E-10(.7 .0)	1448 7.82E-10(.7 .0)	
1450 6.81E-10(.7 .0)	1452 5.41E-10(.7 .0)	1454 6.17E-10(.7 .0)	1456 6.09E-10(.7 .0)	1458 6.94E-10(.7 .0)	
1460 7.91E-10(.7 .0)	1462 8.71E-10(.7 .0)	1464 9.36E-10(.7 .0)	1466 9.14E-10(.7 .0)	1468 7.29E-10(.7 .0)	
1470 7.40E-10(.7 .5)	1472 6.60E-10(.7 .1)	1474 6.74E-10(.7 .1)	1476 8.21E-10(.7 .3)	1478 8.11E-10(.7 .4)	
1480 7.15E-10(.7 .5)	1482 7.11E-10(.7 .1)	1484 6.85E-10(.7 .2)	1486 6.39E-10(.7 .1)	1488 5.98E-10(.7 .6)	
1490 7.73E-10(.7 .9)	1492 6.82E-10(.7 .4)	1494 6.02E-10(.7 .1)	1496 6.22E-10(.7 .2)	1498 6.47E-10(.7 .2)	
1500 6.90E-10(.7 .8)	1502 6.61E-10(.7 .1)	1504 6.65E-10(.7 .1)	1506 6.84E-10(.7 .3)	1508 7.12E-10(.7 .8)	
1510 6.34E-10(.7 .8)	1512 6.36E-10(.8 .1)	1514 6.49E-10(.8 .1)	1516 6.68E-10(.7 .9)	1518 6.06E-10(.8 .7)	
1520 6.95E-10(.8 .4)	1522 5.92E-10(.8 .6)	1524 6.66E-10(.8 .1)	1526 6.71E-10(.8 .2)	1528 7.05E-10(.7 .2)	
1530 6.39E-10(.7 .8)	1532 5.77E-10(.7 .2)	1534 5.81E-10(.8 .2)	1536 5.89E-10(.8 .4)	1538 5.55E-10(.8 .3)	
1540 4.73E-10(.8 .4)	1542 4.69E-10(.8 .6)	1544 4.54E-10(.8 .6)	1546 4.16E-10(.8 .4)	1548 3.97E-10(.8 .2)	
1550 3.99E-10(.7 .2)	1552 3.80E-10(.7 .1)	1554 4.14E-10(.8 .1)	1556 4.62E-10(.8 .4)	1558 4.62E-10(.8 .8)	
1560 5.26E-10(.8 .9)	1562 5.80E-10(.8 .3)	1564 5.47E-10(.8 .2)	1566 4.98E-10(.8 .3)	1568 5.42E-10(.8 .1)	
1570 6.27E-10(.9 .1)	1572 5.72E-10(.9 .1)	1574 5.60E-10(.9 .2)	1576 5.92E-10(.9 .1)	1578 6.08E-10(.9 .0)	
1580 5.97E-10(.1 .1)	1582 5.97E-10(.1 .1)	1584 6.34E-10(.9 .3)	1586 6.19E-10(.1 .0)	1588 5.86E-10(.1 .0)	
1590 5.79E-10(.9 .7)	1592 5.53E-10(.9 .8)	1594 5.38E-10(.9 .3)	1596 5.42E-10(.9 .1)	1598 5.60E-10(.9 .7)	
1600 5.65E-10(.8 .4)	1602 5.36E-10(.9 .8)	1604 5.29E-10(.7 .6)	1606 5.40E-10(.7 .2)	1608 5.71E-10(.7 .1)	
1610 5.40E-10(.8 .3)	1612 4.81E-10(.9 .1)	1614 4.78E-10(.1 .0)	1616 5.16E-10(.1 .0)	1618 5.35E-10(.1 .0)	
1620 5.38E-10(.1 .0)	1622 5.51E-10(.1 .0)	1624 5.56E-10(.1 .0)	1626 5.65E-10(.9 .1)	1628 5.79E-10(.1 .0)	
1630 6.30E-10(.1 .0)	1632 7.07E-10(.1 .0)	1634 7.20E-10(.1 .2)	1636 6.96E-10(.1 .2)	1638 6.43E-10(.1 .1)	
1640 5.54E-10(.1 .0)	1642 5.06E-10(.1 .0)	1644 5.10E-10(.1 .0)	1646 5.60E-10(.1 .1)	1648 6.30E-10(.1 .0)	
1650 6.27E-10(.1 .0)	1652 5.90E-10(.1 .0)	1654 5.81E-10(.1 .0)	1656 5.85E-10(.1 .0)	1658 5.93E-10(.1 .0)	
1660 5.80E-10(.1 .0)	1662 5.47E-10(.9 .8)	1664 5.43E-10(.9 .7)	1666 5.63E-10(.9 .7)	1668 5.70E-10(.9 .7)	
1670 5.88E-10(.1 .0)	1672 5.97E-10(.1 .0)	1674 5.80E-10(.1 .0)	1676 5.88E-10(.1 .4)	1678 6.18E-10(.1 .2)	
1680 6.46E-10(.1 .2)	1682 6.57E-10(.2 .3)	1684 6.25E-10(.2 .8)	1686 5.74E-10(.1 .7)	1688 5.82E-10(.1 .7)	
1690 6.20E-10(.1 .5)	1692 6.19E-10(.1 .5)	1694 5.94E-10(.1 .7)	1696 5.88E-10(.1 .7)	1698 6.02E-10(.1 .8)	
1700 6.12E-10(.1 .5)	1702 5.93E-10(.1 .2)	1704 5.70E-10(.1 .4)	1706 5.55E-10(.1 .1)	1708 5.60E-10(.1 .2)	
1710 5.63E-10(.1 .3)	1712 5.59E-10(.1 .2)	1714 5.42E-10(.1 .2)	1716 5.31E-10(.1 .0)	1718 5.27E-10(.1 .0)	
1720 5.38E-10(.1 .2)	1722 5.21E-10(.1 .5)	1724 4.80E-10(.1 .5)	1726 4.34E-10(.1 .4)	1728 4.14E-10(.1 .2)	
1730 4.23E-10(.1 .0)	1732 4.34E-10(.1 .2)	1734 4.40E-10(.1 .2)	1736 4.48E-10(.1 .3)	1738 4.58E-10(.1 .1)	
1740 4.54E-10(.1 .1)	1742 4.51E-10(.1 .9)	1744 4.60E-10(.1 .1)	1746 4.80E-10(.1 .8)	1748 4.69E-10(.1 .9)	
1750 4.45E-10(.1 .8)	1752 4.25E-10(.1 .7)	1754 4.31E-10(.1 .9)	1756 4.61E-10(.1 .1)	1758 4.74E-10(.1 .4)	
1760 4.68E-10(.1 .4)	1762 4.57E-10(.1 .4)	1764 4.65E-10(.1 .1)	1766 4.69E-10(.1 .6)	1768 4.47E-10(.1 .0)	
1770 4.11E-10(.1 .0)	1772 4.03E-10(.1 .0)	1774 4.32E-10(.1 .0)	1776 4.54E-10(.1 .0)	1778 4.41E-10(.1 .0)	
1780 4.21E-10(.1 .0)	1782 4.14E-10(.1 .0)	1784 4.20E-10(.1 .0)	1786 4.19E-10(.1 .0)	1788 4.01E-10(.1 .0)	
1790 3.97E-10(.1 .0)	1792 4.07E-10(.1 .0)	1794 4.22E-10(.1 .0)	1796 4.18E-10(.1 .0)	1798 4.12E-10(.1 .0)	
1800 4.17E-10(.1 .0)	1802 4.32E-10(.1 .0)	1804 4.49E-10(.1 .0)	1806 4.61E-10(.1 .0)	1808 4.60E-10(.1 .0)	
1810 4.45E-10(.1 .0)	1812 4.29E-10(.1 .0)	1814 4.11E-10(.1 .0)	1816 4.09E-10(.1 .0)	1818 4.14E-10(.1 .0)	
1820 4.26E-10(.1 .0)	1822 4.29E-10(.1 .0)	1824 4.30E-10(.1 .0)	1826 4.31E-10(.1 .0)	0.0	
1800 4.23E-10(.1 .0)	1805 4.53E-10(.1 .0)	1810 4.44E-10(.1 .0)	1815 4.11E-10(.1 .0)	1820 4.26E-10(.1 .0)	
1825 4.35E-10(.1 .0)	1830 4.42E-10(.9 .2)	1835 4.61E-10(.9 .3)	1840 4.78E-10(.9 .5)	1845 4.53E-10(.9 .3)	
1850 3.96E-10(.9 .4)	1855 3.55E-10(.1 .0)	1860 3.45E-10(.1 .0)	1865 3.54E-10(.1 .0)	1870 3.69E-10(.1 .0)	
1875 3.84E-10(.1 .0)	1880 3.90E-10(.1 .0)	1885 3.85E-10(.1 .0)	1890 3.81E-10(.1 .0)	1895 3.54E-10(.1 .0)	
1900 3.40E-10(.1 .0)	1905 3.46E-10(.1 .0)	1910 3.56E-10(.1 .0)	1915 3.43E-10(.9 .6)	1920 3.42E-10(.9 .2)	
1925 3.51E-10(.9 .0)	1930 3.69E-10(.9 .2)	1935 3.72E-10(.9 .2)	1940 3.61E-10(.8 .3)	1945 3.53E-10(.8 .5)	
1950 3.23E-10(.8 .9)	1955 3.19E-10(.8 .6)	1960 3.40E-10(.8 .2)	1965 3.72E-10(.8 .2)	1970 3.89E-10(.8 .4)	
1975 3.78E-10(.8 .2)	1980 3.62E-10(.8 .6)	1985 3.62E-10(.8 .6)	1990 3.90E-10(.8 .7)	1995 4.06E-10(.7 .1)	
2000 3.96E-10(.7 .2)	2005 3.83E-10(.7 .8)	2010 3.82E-10(.7 .1)	2015 3.94E-10(.7 .1)	2020 3.88E-10(.7 .1)	
2025 3.91E-10(.7 .0)	2030 4.00E-10(.6 .0)	2035 4.00E-10(.6 .0)	2040 3.89E-10(.6 .0)	2045 3.64E-10(.6 .0)	
2050 3.53E-10(.6 .0)	2055 3.68E-10(.6 .0)	2060 3.71E-10(.6 .0)	2065 3.56E-10(.6 .0)	2070 3.46E-10(.6 .0)	
2075 3.43E-10(.6 .0)	2080 3.50E-10(.6 .0)	2085 3.65E-10(.6 .0)	2090 3.66E-10(.6 .0)	2095 3.61E-10(.5 .0)	
2100 3.55E-10(.5 .0)	2105 3.54E-10(.5 .0)	2110 3.52E-10(.5 .0)	2115 3.50E-10(.5 .0)	2120 3.44E-10(.5 .0)	
2125 3.46E-10(.5 .0)	2130 3.48E-10(.5 .0)	2135 3.56E-10(.5 .0)	2140 3.63E-10(.5 .0)	2145 3.68E-10(.5 .0)	
2150 3.63E-10(.5 .0)	2155 3.49E-10(.5 .0)	2160 3.43E-10(.5 .0)	2165 3.33E-10(.5 .0)	2170 3.36E-10(.5 .0)	
2175 3.31E-10(.5 .0)	2180 3.29E-10(.4 .0)	2185 3.35E-10(.4 .0)	2190 3.38E-10(.4 .0)	2195 3.38E-10(.4 .0)	
2200 3.34E-10(.4 .0)	2205 3.27E-10(.4 .0)	2210 3.25E-10(.4 .0)	2215 3.31E-10(.4 .0)	2220 3.48E-10(.4 .0)	
2225 3.56E-10(.4 .0)	2230 3.56E-10(.4 .0)	2235 3.39E-10(.4 .0)	2240 3.29E-10(.4 .0)	2245 3.10E-10(.4 .0)	
2250 2.98E-10(.4 .0)	2255 2.85E-10(.4 .0)	2260 2.74E-10(.4 .0)	2265 2.79E-10(.4 .0)	2270 2.92E-10(.4 .0)	
2275 2.99E-10(.4 .0)	2280 3.03E-10(.4 .0)	2285 3.00E-10(.4 .0)	2290 2.96E-10(.4 .0)	2295 2.84E-10(.4 .0)	
2300 2.77E-10(.4 .0)	2305 2.78E-10(.4 .0)	2310 2.83E-10(.4 .0)	2315 2.80E-10(.4 .0)	0.0	
2300 2.80E-10(.4 .0)	2310 2.83E-10(.4 .0)	2320 2.82E-10(.4 .0)	2330 2.88E-10(.3 .0)	2340 3.02E-10(.3 .0)	
2350 2.95E-10(.3 .0)	2360 2.83E-10(.3 .0)	2370 2.93E-10(.3 .0)	2380 2.94E-10(.3 .0)	2390 2.97E-10(.3 .0)	
2400 2.99E-10(.3 .0)	2410 2.97E-10(.3 .0)	2420 2.90E-10(.3 .0)	2430 2.65E-10(.3 .0)	2440 2.77E-10(.3 .0)	
2450 2.78E-10(.3 .0)	2460 2.89E-10(.2 .0)	2470 2.94E-10(.2 .0)	2480 2.89E-10(.2 .0)	2490 2.80E-10(.2 .0)	
2500 2.64E-10(.3 .0)	2510 2.46E-10(.3 .0)	2520 2.38E-10(.3 .0)	2530 2.37E-10(.3 .0)	2540 2.52E-10(.2 .0)	
2550 2.65E-10(.2 .0)	2560 2.68E-10(.2 .0)	2570 2.74E-10(.2 .0)	2580 2.69E-10(.2 .0)	2590 2.62E-10(.2 .0)	
2600 2.64E-10(.2 .0)	2610 2.66E-10(.2 .0)	2620 2.66E-10(.2 .0)	2630 2.58E-10(.2 .0)	2640 2.50E-10(.2 .0)	
2650 2.41E-10(.2 .0)	2660 2.39E-10(.2 .0)	2670 2.40E-10(.2 .0)	2680 2.49E-10(.2 .0)	2690 2.49E-10(.2 .0)	
2700 2.43E-10(.2 .0)	2710 2.39E-10(.2 .0)	2720 2.28E-10(.2 .0)	2730 2.40E-10(.2 .0)	2740 2.38E-10(.1 .0)	
2750 2.43E-10(.1 .0)	2760 2.43E-10(.1 .0)	2770 2.42E-10(.1 .0)	2780 2.42E-10(.1 .0)	2790 2.38E-10(.1 .0)	
2800 2.28E-10(.1 .0)	2810 2.36E-10(.1 .0)	2820 2.20E-10(.1 .0)	2830 2.22E-10(.1 .0)	2840 2.21E-10(.1 .0)	
2850 2.18E-10(.1 .0)	2860 2.14E-10(.1 .0)	2870 2.15E-10(.1 .0)	2880 2.22E-10(.1 .0)	2890 2.17E-10(.1 .0)	
2900 2.28E-10(.1 .0)	2910 2.35E-10(.1 .0)	2920 2.21E-10(.1 .0)	2930 2.15E-10(.1 .0)	2940 2.21E-10(.1 .0)	
2950 2.10E-10(.1 .0)	2960 2.05E-10(.1 .0)	2970 2.04E-10(.1 .0)	2980 2.08E-10(.1 .0)	2990 2.01E-10(.1 .0)	
3000 2.13E-10(.1 .0)	3010 2.09E-10(.1 .0)	3020 2.18E-10(.1 .0)	3030 2.23E-10(.1 .0)	0.0	
3000 2.18E-10(.1 .0)	3010 2.18E-10(.1 .0)	3020 2.19E-10(.1 .0)	3030 2.20E-10(.1 .0)	3040 2.19E-10(.1 .0)	
3100 1.85E-10(.1 .0)	3110 1.74E-10(.1 .0)	3120 1.74E-10(.1 .0)	3130 1.85E-10(.1 .0)	3140 1.85E-10(.1 .0)	
3200 2.23E-10(.1 .0)	3210 2.17E-10(.1 .0)	3220 2.17E-10(.1 .0)	3230 2.00E-10(.1 .0)	3240 2.00E-10(.1 .0)	
3300 1.98E-10(.1 .0)	3310 1.77E-10(.1 .0)	3320 1.68E-10(.1 .0)	3330 1.61E-10(.1 .0)	3340 1.59E-10(.1 .0)	
3400 1.55E-10(.1 .0)	3410 1.53E-10(.1 .0)	3420 1.55E-10(.1 .0)	3430 1.62E-10(.1 .0)	3440 1.56E-10(.1 .0)	
3500 1.51E-10(.1 .0)	3510 1.40E-10(.1 .0)	3520 1.26E-10(.1 .0)	3530 1.18E-10(.1 .0)	3540 1.11E-10(.1 .0)	
3600 1.12E-10(.1 .0)	3610 1.16E-10(.1 .0)	3620 1.23E-10(.1 .0)	3630 1.23E-10(.1 .0)	3640 1.33E-10(.1 .0)	
3700 1.30E-10(.1 .0)	3710 1.36E-10(.1 .0)	3720 1.19E-10(.1 .0)	3730 1.14E-10(.2 .0)	3740 1.02E-10(.2 .0)	
3800 8.52E-11(.3 .0)	3810 7.32E-11(.3 .0)	3820 6.79E-11(.3 .0)	3830 6.27E-11(.4 .0)	3840 5.91E-11(.4 .0)	
3900 5.61E-11(.4 .0)	3910 5.52E-11(.4 .0)	3920 5.48E-11(.4 .0)	3930 5.11E-11(.4 .0)	3940 5.34E-11(.4 .0)	
4000 5.23E-11(.5 .0)	4010 5.10E-11(.5 .0)	4020 4.91E-11(.5 .0)	4030 4.80E-11(.5 .0)	4040 4.54E-11(.5 .0)	
4100 4.37E-11(.6 .0)	4110 4.14E-11(.6 .0)	4120 4.04E-11(.6 .0)	4130 3.93E-11(.6 .0)	4140 3.88E-11(.6 .0)	
135 0.00(0.0 0.0)	139U 3.26(.1 .0)	148 1.76(.7 .0)	154 2.10(.8 20.4)	161 2.02(.9 4.5)	
166 1.97(1.0 4.6)	172 2.15(1.1 7.1)	181 2.33(1.0 3.9)	192 2.51(.9 1.6)	204 2.47(.6 .0)	
219 2.61(.4 .0)	245E 2.79(.3 .0)	280E 3.00(.1 .0)	360E 3.60(.1 .0)	0.0	
X,Y(MM)	1.3 11.8 SL4- 8	21 SCANS, T= 273	HR 2855	WT .7,SCALE .99	
X,Y(MM)	5.8 15.8 SL4- 9	23 SCANS, T= 78	HR 2855	WT .7,SCALE 1.01	





Q = 0.55+-

HD 59499

HR 2870+71

HD 59499

LAMBDA	F	(WT)	SIG	F = AVE FLUX FROM LAM-DEL/2 TO LAM+DEL/2
1510U	2.49E-10	(2)	0.0	1512U 2.37E-10(2) 0.0
1520	3.02E-10	(3)	0.0	1522U 2.41E-10(3) 0.0
1530U	1.80E-10	(2)	0.0	1532U 2.08E-10(2) 0.0
1540U	2.08E-10	(2)	0.0	1542U 1.68E-10(2) 0.0
1550U	1.40E-10	(2)	0.0	1552 2.50E-10(2) 0.0
1560U	2.02E-10	(2)	0.0	1562U 2.19E-10(3) 0.0
1570U	2.07E-10	(3)	0.0	1572 2.30E-10(3) 0.0
1580	2.09E-10	(4)	0.0	1582U 2.03E-10(4) 0.0
1590	2.69E-10	(5)	0.0	1592 2.62E-10(5) 0.0
1600	2.73E-10	(6)	0.0	1602 2.50E-10(5) 0.0
1610	2.76E-10	(7)	0.0	1612 2.25E-10(5) 0.0
1620	2.23E-10	(6)	0.0	1622 2.22E-10(6) 0.0
1630	2.57E-10	(7)	0.0	1632 2.22E-10(5) 0.0
1640	1.68E-10	(4)	0.0	1642U 1.67E-10(4) 0.0
1650	2.26E-10	(6)	0.0	1652 2.65E-10(7) 0.0
1660	2.85E-10	(7)	0.0	1662 2.81E-10(7) 0.0
1670	2.76E-10	(7)	0.0	1672 2.64E-10(7) 0.0
1680	2.49E-10	(7)	0.0	1682 2.34E-10(7) 0.0
1690	2.66E-10	(7)	0.0	1692 2.46E-10(7) 0.0
1700	2.15E-10	(7)	0.0	1702 2.37E-10(7) 0.0
1710	2.04E-10	(7)	0.0	1712 1.86E-10(7) 0.0
1720	1.93E-10	(7)	0.0	1722 2.09E-10(7) 0.0
1730	2.05E-10	(7)	0.0	1732 2.12E-10(7) 0.0
1740	2.05E-10	(7)	0.0	1742 2.08E-10(7) 0.0
1750	2.14E-10	(7)	0.0	1752 2.11E-10(7) 0.0
1760	1.90E-10	(7)	0.0	1762 1.90E-10(7) 0.0
1770	1.92E-10	(7)	0.0	1772 1.84E-10(7) 0.0
1780	1.88E-10	(7)	0.0	1782 1.71E-10(7) 0.0
1790	1.68E-10	(7)	0.0	1792 1.81E-10(7) 0.0
1800	1.72E-10	(7)	0.0	1802 1.55E-10(7) 0.0
1810	1.75E-10	(7)	0.0	1812 1.74E-10(7) 0.0
1820	1.52E-10	(7)	0.0	1822 1.53E-10(7) 0.0
1830	1.71E-10	(7)	0.0	1830 1.49E-10(7) 0.0
1840	1.63E-10	(7)	0.0	1830 1.61E-10(7) 0.0
1850	1.54E-10	(7)	0.0	1855 1.48E-10(7) 0.0
1860	1.63E-10	(7)	0.0	1880 1.60E-10(7) 0.0
1870	1.51E-10	(7)	0.0	1890 1.53E-10(7) 0.0
1880	1.28E-10	(7)	0.0	1900 1.21E-10(7) 0.0
1890	1.28E-10	(7)	0.0	1930 1.39E-10(7) 0.0
1900	1.55E-10	(7)	0.0	1955 1.65E-10(7) 0.0
1910	1.45E-10	(7)	0.0	1980 1.34E-10(7) 0.0
1920	1.49E-10	(6)	0.0	2005 1.50E-10(6) 0.0
2000	1.25E-10	(6)	0.0	2030 1.21E-10(6) 0.0
2025	1.62E-10	(5)	0.0	2055 1.49E-10(5) 0.0
2050	1.52E-10	(5)	0.0	2080 1.46E-10(5) 0.0
2075	1.46E-10	(5)	0.0	2105 1.41E-10(5) 0.0
2100	1.51E-10	(4)	0.0	2130 1.51E-10(4) 0.0
2125	1.64E-10	(4)	0.0	2155 1.70E-10(4) 0.0
2150	1.57E-10	(4)	0.0	2180 1.47E-10(4) 0.0
2175	1.52E-10	(4)	0.0	2205 1.39E-10(4) 0.0
2200	1.55E-10	(3)	0.0	2230E 1.61E-10(3) 0.0
2225E	1.48E-10	(3)	0.0	2255E 1.48E-10(3) 0.0
2250E	1.29E-10	(3)	0.0	2280 1.29E-10(3) 0.0
2275	1.24E-10	(3)	0.0	2305 1.12E-10(3) 0.0
2300E	1.22E-10	(4)	0.0	2310 1.00E-10(4) 0.0
2325E	1.20E-10	(3)	0.0	2360E 1.06E-10(3) 0.0
2350E	1.08E-10	(3)	0.0	2410E 1.06E-10(3) 0.0
2400E	8.69E-11	(3)	0.0	2460E 9.05E-11(3) 0.0
2450E	8.36E-11	(3)	0.0	2510E 8.85E-11(3) 0.0
2500E	9.79E-11	(3)	0.0	2560E 9.60E-11(3) 0.0
2550E	7.17E-11	(3)	0.0	2610E 7.29E-11(3) 0.0
2600E	9.79E-11	(2)	0.0	2660E 9.19E-11(3) 0.0
2650E	8.06E-11	(3)	0.0	2710E 7.55E-11(3) 0.0
2700E	7.71E-11	(3)	0.0	2760E 7.87E-11(3) 0.0
2750E	7.66E-11	(2)	0.0	2810E 7.81E-11(2) 0.0
2800E	6.02E-11	(3)	0.0	2860E 6.09E-11(3) 0.0
2850E	6.34E-11	(2)	0.0	2910E 6.28E-11(2) 0.0
2900E	6.65E-11	(2)	0.0	2960E 6.81E-11(2) 0.0
2950E	7.20E-11	(2)	0.0	3010E 6.80E-11(2) 0.0
3000E	7.16E-11	(2)	0.0	3020E 6.42E-11(2) 0.0
3100E	4.97E-11	(2)	0.0	3120E 5.18E-11(2) 0.0
3200E	5.91E-11	(2)	0.0	3220E 6.02E-11(2) 0.0
3300E	5.91E-11	(2)	0.0	3320E 5.48E-11(2) 0.0
3400E	4.65E-11	(2)	0.0	3420E 4.48E-11(2) 0.0
3500E	4.02E-11	(2)	0.0	3520E 3.48E-11(2) 0.0
3600E	3.14E-11	(3)	0.0	3620E 3.00E-11(3) 0.0
3700E	3.14E-11	(3)	0.0	3720E 3.21E-11(3) 0.0
3800E	3.54E-11	(2)	0.0	3820E 3.65E-11(2) 0.0
3900E	3.83E-11	(2)	0.0	3920E 3.79E-11(2) 0.0
4000E	3.46E-11	(3)	0.0	4020E 3.45E-11(3) 0.0
4100E	3.70E-11	(3)	0.0	4120E 3.78E-11(3) 0.0
135	0.00(0.0)	0.0	0.0	139 0.00(0.0) 0.0
166	2.93( .7)	0.0	0.0	172 3.11( .7) 0.0
219	3.47( .4)	0.0	0.0	245E 3.98( .3) 0.0
148	0.00(0.0)	0.0	0.0	181 3.34( .7) 0.0
154U	3.18( .2)	0.0	0.0	280E 4.25( .2) 0.0
161	2.92( .5)	0.0	0.0	360E 4.76( .2) 0.0
204	3.51( .6)	0.0	0.0	
0	0.00(0.0)	0.0	0.0	

X,Y(MM) 9.1 3.3 SL4- 39 25 SCANS, T= 216 HR 2870+71 WT .7, SCALE 1.00

R = &lt;0.74&gt;

LAMBDA F ( WT, SIG)				F = AVE FLUX FROM LAM-DEL/2 TO LAM+DEL/2															
1530U	1.69E-10	( 2	0.0)	1532U	1.48E-10	( 2	0.0)	1534U	1.54E-10	( 3	0.0)	1546U	1.81E-10	( 3	0.0)	1538U	1.72E-10	( 3	0.0)
1540	1.87E-10	( 3	0.0)	1542	2.11E-10	( 4	0.0)	1544	1.96E-10	( 3	0.0)	1546U	1.61E-10	( 3	0.0)	1548U	1.52E-10	( 3	0.0)
1550U	1.70E-10	( 3	0.0)	1552	1.75E-10	( 3	0.0)	1554U	1.53E-10	( 3	0.0)	1556U	1.43E-10	( 3	0.0)	1558	1.93E-10	( 4	0.0)
1560	2.16E-10	( 5	0.0)	1562	2.16E-10	( 5	0.0)	1564	1.77E-10	( 5	0.0)	1566	1.80E-10	( 4	0.0)	1568	1.87E-10	( 4	0.0)
1570	1.58E-10	( 3	0.0)	1572U	1.07E-10	( 2	0.0)	1574U	1.03E-10	( 2	0.0)	1576U	1.49E-10	( 3	0.0)	1578	1.76E-10	( 4	0.0)
1580	1.78E-10	( 4	0.0)	1582	1.47E-10	( 4	0.0)	1584U	1.25E-10	( 3	0.0)	1586	1.59E-10	( 4	0.0)	1588	1.92E-10	( 5	0.0)
1590	1.97E-10	( 5	0.0)	1592	1.75E-10	( 4	0.0)	1594U	1.18E-10	( 3	0.0)	1596U	1.09E-10	( 2	0.0)	1598U	1.14E-10	( 2	0.0)
1600U	1.13E-10	( 3	0.0)	1602	1.30E-10	( 3	0.0)	1604U	1.06E-10	( 2	0.0)	1606U	8.98E-11	( 2	0.0)	1608U	1.16E-10	( 3	0.0)
1610	1.34E-10	( 3	0.0)	1612	1.41E-10	( 3	0.0)	1614	1.28E-10	( 4	0.0)	1616	1.33E-10	( 4	0.0)	1618	1.44E-10	( 4	0.0)
1620	1.55E-10	( 3	0.0)	1622	1.68E-10	( 5	0.0)	1624	1.50E-10	( 4	0.0)	1626	1.29E-10	( 4	0.0)	1628	1.22E-10	( 3	0.0)
1630U	1.12E-10	( 3	0.0)	1632U	9.79E-11	( 2	0.0)	1634U	1.08E-10	( 2	0.0)	1636U	1.11E-10	( 3	0.0)	1638U	1.17E-10	( 4	0.0)
1640	1.37E-10	( 4	0.0)	1642	1.47E-10	( 5	0.0)	1644	1.46E-10	( 5	0.0)	1646	1.52E-10	( 5	0.0)	1648	1.61E-10	( 6	0.0)
1650	1.61E-10	( 6	0.0)	1652	1.78E-10	( 7	0.0)	1654	1.98E-10	( 7	0.0)	1656	1.84E-10	( 7	0.0)	1658	1.59E-10	( 6	0.0)
1660	1.54E-10	( 6	0.0)	1662	1.61E-10	( 6	0.0)	1664	1.64E-10	( 6	0.0)	1666	1.67E-10	( 6	0.0)	1668	1.67E-10	( 7	0.0)
1670	1.58E-10	( 6	0.0)	1672	1.50E-10	( 6	0.0)	1674	1.35E-10	( 5	0.0)	1676	1.13E-10	( 4	0.0)	1678U	1.11E-10	( 4	0.0)
1680	1.34E-10	( 5	0.0)	1682	1.45E-10	( 6	0.0)	1684	1.36E-10	( 6	0.0)	1686	1.33E-10	( 6	0.0)	1688	1.41E-10	( 6	0.0)
1690	1.38E-10	( 5	0.0)	1692	1.49E-10	( 6	0.0)	1694	1.50E-10	( 7	0.0)	1696	1.48E-10	( 7	0.0)	1698	1.32E-10	( 6	0.0)
1700	1.42E-10	( 5	0.0)	1702	1.07E-10	( 4	0.0)	1704	1.05E-10	( 4	0.0)	1706	1.33E-10	( 6	0.0)	1708	8.82E-11	( 3	0.0)
1710U	8.38E-11	( 3	0.0)	1712U	7.30E-11	( 3	0.0)	1714U	7.58E-11	( 3	0.0)	1716	8.86E-11	( 3	0.0)	1718	8.81E-11	( 3	0.0)
1720U	7.98E-11	( 3	0.0)	1722	8.31E-11	( 4	0.0)	1724	9.12E-11	( 4	0.0)	1726	1.01E-10	( 5	0.0)	1728	1.12E-10	( 6	0.0)
1730	1.14E-10	( 7	0.0)	1732	1.05E-10	( 6	0.0)	1734	9.48E-11	( 5	0.0)	1736	9.07E-11	( 5	0.0)	1738	9.15E-11	( 5	0.0)
1740	9.15E-11	( 5	0.0)	1742</															

X, Y (MM) -2.5 5.4 SL4- 81 19 SCANS, T= 225: HD 59527 WT .7, SCALE 1.00

 $R = 0.58:$

A				F				F = AVE FLUX FROM LAM-DEL/2 TO LAM-DEL/2				A							
1490U	0.	0.0	0.0	1492U	2.88E-10	2	0.0	1494U	2.98E-10	2	0.0	1496U	2.79E-10	2	0.0	1498U	2.82E-10	2	0.0
1500U	2.84E-10	2	0.0	1502U	2.62E-10	3	0.0	1504U	3.20E-10	3	0.0	1506U	3.56E-10	3	0.0	1508U	2.97E-10	3	0.0
1510U	2.51E-10	2	0.0	1512U	2.29E-10	2	0.0	1514U	2.36E-10	3	0.0	1516U	3.12E-10	3	0.0	1518U	2.91E-10	3	0.0
1520U	2.65E-10	3	0.0	1522U	2.70E-10	2	0.0	1524U	2.26E-10	2	0.0	1526U	1.71E-10	2	0.0	1528U	2.31E-10	2	0.0
1530U	2.08E-10	3	0.0	1532U	2.72E-10	3	0.0	1534U	3.29E-10	4	0.0	1536U	3.13E-10	4	0.0	1538U	2.65E-10	3	0.0
1540U	2.25E-10	3	0.0	1542U	2.55E-10	3	0.0	1544U	2.74E-10	4	0.0	1546U	2.83E-10	4	0.0	1548U	2.60E-10	3	0.0
1550U	2.36E-10	4	0.0	1552U	2.79E-10	4	0.0	1554U	3.37E-10	5	0.0	1556U	3.88E-10	7	0.0	1558U	3.67E-10	7	0.0
1560U	3.49E-10	7	0.0	1562U	3.05E-10	6	0.0	1564U	3.10E-10	7	0.0	1566U	3.44E-10	7	0.0	1568U	3.39E-10	6	0.0
1570U	3.35E-10	6	0.0	1572U	3.56E-10	7	0.0	1574U	3.88E-10	7	0.0	1576U	3.83E-10	7	0.0	1578U	3.88E-10	7	0.0
1580U	3.66E-10	7	0.0	1582U	3.58E-10	7	0.0	1584U	3.33E-10	7	0.0	1586U	3.48E-10	7	0.0	1588U	3.85E-10	7	0.0
1590U	3.80E-10	7	0.0	1592U	3.51E-10	7	0.0	1594U	3.45E-10	7	0.0	1596U	3.81E-10	7	0.0	1598U	3.73E-10	7	0.0
1600U	3.74E-10	7	0.0	1602U	3.95E-10	7	0.0	1604U	3.85E-10	7	0.0	1606U	3.57E-10	7	0.0	1608U	3.94E-10	7	0.0
1610U	4.24E-10	7	0.0	1612U	4.10E-10	7	0.0	1614U	4.05E-10	7	0.0	1616U	4.06E-10	7	0.0	1618U	3.84E-10	7	0.0
1620U	3.46E-10	7	0.0	1622U	3.37E-10	7	0.0	1624U	3.66E-10	7	0.0	1626U	3.72E-10	7	0.0	1628U	3.76E-10	7	0.0
1630U	3.91E-10	7	0.0	1632U	3.80E-10	7	0.0	1634U	3.54E-10	7	0.0	1636U	3.44E-10	7	0.0	1638U	3.73E-10	7	0.0
1640U	3.95E-10	7	0.0	1642U	3.81E-10	7	0.0	1644U	3.92E-10	7	0.0	1646U	3.44E-10	7	0.0	1648U	4.20E-10	7	0.0
1650U	3.31E-10	7	0.0	1652U	3.45E-10	7	0.0	1654U	3.71E-10	7	0.0	1656U	3.49E-10	7	0.0	1658U	3.79E-10	7	0.0
1660U	3.95E-10	7	0.0	1662U	4.12E-10	7	0.0	1664U	4.10E-10	7	0.0	1666U	4.06E-10	7	0.0	1668U	4.11E-10	7	0.0
1670U	4.22E-10	7	0.0	1672U	4.22E-10	7	0.0	1674U	4.00E-10	7	0.0	1676U	3.91E-10	7	0.0	1678U	4.19E-10	7	0.0
1680U	4.51E-10	7	0.0	1682U	4.55E-10	7	0.0	1684U	4.54E-10	7	0.0	1686U	4.56E-10	7	0.0	1688U	4.20E-10	7	0.0
1690U	3.80E-10	7	0.0	1692U	3.64E-10	7	0.0	1694U	3.47E-10	7	0.0	1696U	3.32E-10	7	0.0	1698U	3.23E-10	7	0.0
1700U	3.12E-10	7	0.0	1702U	3.21E-10	7	0												

 $R = 0.83$

R = 0.40:

$R = 0.45:$

[illegible]

X,Y(MM) -11.6 2.0 SL4- 81 7 SCANS, T= 225: HR 2889 WT .5, SCALE 2.00

$R = 0.44:$



HD 60312

HR 2895

HD 60312

LAMBDA, F (WT, SIG)			F = AVE FLUX FROM LAM-DEL/2 TO LAM+DEL/2		
1825U	6.53E-11	(.2 0.0)	1830U	6.58E-11	(.3 0.0)
1850U	6.38E-11	(.3 0.0)	1855	7.41E-11	(.3 0.0)
1875	7.04E-11	(.4 0.0)	1880	7.52E-11	(.4 0.0)
1900	5.92E-11	(.3 0.0)	1905	5.85E-11	(.3 0.0)
1925	5.35E-11	(.2 0.0)	1930U	5.52E-11	(.2 0.0)
1950	6.56E-11	(.5 0.0)	1955	7.22E-11	(.5 0.0)
1975	7.88E-11	(.5 0.0)	1980	7.44E-11	(.5 0.0)
2000	4.91E-11	(.4 0.0)	2005	4.82E-11	(.3 0.0)
2025	6.07E-11	(.5 0.0)	2030	5.59E-11	(.5 0.0)
2050	7.06E-11	(.5 0.0)	2055	7.13E-11	(.5 0.0)
2075	8.10E-11	(.5 0.0)	2080	7.61E-11	(.5 0.0)
2100	7.37E-11	(.5 0.0)	2105	7.57E-11	(.5 0.0)
2125	7.52E-11	(.5 0.0)	2130	7.79E-11	(.5 0.0)
2150	7.00E-11	(.5 0.0)	2155	6.40E-11	(.5 0.0)
2175	6.12E-11	(.5 0.0)	2180	6.18E-11	(.5 0.0)
2200	8.58E-11	(.5 0.0)	2205	7.83E-11	(.5 0.0)
2225	6.67E-11	(.5 0.0)	2230	6.84E-11	(.5 0.0)
2250	7.44E-11	(.5 0.0)	2255	7.44E-11	(.5 0.0)
2275	6.40E-11	(.5 0.0)	2280	6.58E-11	(.5 0.0)
2300	5.28E-11	(.5 0.0)	2305	5.06E-11	(.5 0.0)
2330	5.32E-11	(.5 0.0)	2330	5.13E-11	(.5 0.0)
2350	5.26E-11	(.5 0.0)	2360	6.23E-11	(.5 0.0)
2400	6.12E-11	(.4 0.0)	2410	5.81E-11	(.5 0.0)
2450	6.53E-11	(.4 0.0)	2460	7.63E-11	(.4 0.0)
2500	5.41E-11	(.4 0.0)	2510	5.32E-11	(.4 0.0)
2550	4.91E-11	(.4 0.0)	2560	4.47E-11	(.4 0.0)
2600	5.98E-11	(.4 0.0)	2610	5.50E-11	(.4 0.0)
2650	5.19E-11	(.4 0.0)	2660	5.48E-11	(.4 0.0)
2700	4.25E-11	(.4 0.0)	2710	4.44E-11	(.4 0.0)
2750	5.13E-11	(.3 0.0)	2760	5.30E-11	(.3 0.0)
2800	4.80E-11	(.3 0.0)	2810	4.69E-11	(.3 0.0)
2850	4.49E-11	(.3 0.0)	2860	4.82E-11	(.3 0.0)
2900	4.80E-11	(.3 0.0)	2910	4.53E-11	(.3 0.0)
2950	4.07E-11	(.3 0.0)	2960	4.29E-11	(.3 0.0)
3000	5.26E-11	(.3 0.0)	3010	5.08E-11	(.3 0.0)
3000	5.24E-11	(.2 0.0)	3020	5.08E-11	(.2 0.0)
3100E	6.58E-11	(.2 0.0)	3120E	5.96E-11	(.2 0.0)
3200E	4.71E-11	(.2 0.0)	3220E	5.63E-11	(.2 0.0)
3300E	4.69E-11	(.2 0.0)	3320E	4.22E-11	(.2 0.0)
3400	3.70E-11	(.2 0.0)	3420	3.59E-11	(.3 0.0)
3500	3.04E-11	(.3 0.0)	3520	2.88E-11	(.3 0.0)
3600	1.79E-11	(.4 0.0)	3620	1.74E-11	(.4 0.0)
3700	1.98E-11	(.3 0.0)	3720	1.95E-11	(.3 0.0)
3800	2.00E-11	(.3 0.0)	3820	2.04E-11	(.3 0.0)
3900	2.51E-11	(.3 0.0)	3920	2.68E-11	(.3 0.0)
4000	2.82E-11	(.3 0.0)	4020	2.75E-11	(.3 0.0)
4100	2.77E-11	(.3 0.0)	4120	2.77E-11	(.4 0.0)
135	0.00(0.0 0.0)		139	0.00(0.0 0.0)	
166	0.00(0.0 0.0)		172	0.00(0.0 0.0)	
219	4.27(.5 0.0)		245	4.49(.4 0.0)	
148	0.00(0.0 0.0)		181	0.00(0.0 0.0)	
154	0.00(0.0 0.0)		280	4.66(.3 0.0)	
161	0.00(0.0 0.0)		192	4.30(.4 0.0)	
204	4.35(.5 0.0)		360	4.98(.3 0.0)	
0	0.00(0.0 0.0)		0	0.00(0.0 0.0)	

X,Y(MM) -13.2 2.2 SL4- 81 8 SCANS, T= 225: HR 2895 WT .5, SCALE 2.20

R = 0.49

HD 60344

HD 60344

HD 60344

LAMBDA, F (WT, SIG) F = AVE FLUX FROM LAM-DEL/2 TO LAM+DEL/2

1900, 0.00E-11(.6 0.0)	1905, 0.00E-11(.6 0.0)	1910, 0.00E-11(.6 0.0)	1915, 4.95E-11(.6 0.0)	1920, 6.43E-11(.6 0.0)
1925, 6.26E-11(.6 0.0)	1930, 5.86E-11(.6 0.0)	1935, 5.49E-11(.6 0.0)	1940, 5.79E-11(.6 0.0)	1945, 5.66E-11(.6 0.0)
1950, 5.72E-11(.6 0.0)	1955, 5.64E-11(.6 0.0)	1960, 6.14E-11(.6 0.0)	1965, 6.53E-11(.6 0.0)	1970, 5.69E-11(.6 0.0)
1975, 5.50E-11(.6 0.0)	1980, 6.18E-11(.6 0.0)	1985, 6.31E-11(.6 0.0)	1990, 6.63E-11(.6 0.0)	1995, 6.97E-11(.6 0.0)
2000, 6.77E-11(.6 0.0)	2005, 6.94E-11(.6 0.0)	2010, 6.58E-11(.6 0.0)	2015, 5.98E-11(.6 0.0)	2020, 5.99E-11(.6 0.0)
2025, 6.27E-11(.6 0.0)	2030, 6.08E-11(.6 0.0)	2035, 5.97E-11(.6 0.0)	2040, 6.15E-11(.6 0.0)	2045, 6.46E-11(.6 0.0)
2050, 6.36E-11(.6 0.0)	2055, 6.17E-11(.6 0.0)	2060, 6.46E-11(.6 0.0)	2065, 6.60E-11(.6 0.0)	2070, 6.62E-11(.6 0.0)
2075, 6.54E-11(.6 0.0)	2080, 6.19E-11(.6 0.0)	2085, 5.65E-11(.6 0.0)	2090, 5.31E-11(.6 0.0)	2095, 5.63E-11(.6 0.0)
2100, 5.98E-11(.6 0.0)	2105, 5.96E-11(.6 0.0)	2110, 6.17E-11(.6 0.0)	2115, 6.17E-11(.6 0.0)	2120, 5.76E-11(.6 0.0)
2125, 5.37E-11(.6 0.0)	2130, 5.27E-11(.6 0.0)	2135, 5.51E-11(.6 0.0)	2140, 5.34E-11(.6 0.0)	2145, 4.91E-11(.6 0.0)
2150, 5.02E-11(.6 0.0)	2155, 5.51E-11(.6 0.0)	2160, 5.84E-11(.6 0.0)	2165, 6.00E-11(.6 0.0)	2170, 6.24E-11(.6 0.0)
2175, 6.23E-11(.6 0.0)	2180, 5.80E-11(.6 0.0)	2185, 5.48E-11(.6 0.0)	2190, 5.32E-11(.6 0.0)	2195, 4.95E-11(.6 0.0)
2200, 4.77E-11(.6 0.0)	2205, 5.04E-11(.6 0.0)	2210, 5.23E-11(.6 0.0)	2215, 5.15E-11(.6 0.0)	2220, 5.18E-11(.6 0.0)
2225, 5.38E-11(.6 0.0)	2230, 5.57E-11(.6 0.0)	2235, 5.77E-11(.6 0.0)	2240, 5.95E-11(.6 0.0)	2245, 6.01E-11(.6 0.0)
2250, 5.96E-11(.6 0.0)	2255, 5.87E-11(.6 0.0)	2260, 5.76E-11(.6 0.0)	2265, 5.65E-11(.6 0.0)	2270, 5.57E-11(.6 0.0)
2275, 5.59E-11(.6 0.0)	2280, 6.65E-11(.6 0.0)	2285, 5.70E-11(.6 0.0)	2290, 5.70E-11(.6 0.0)	2295, 5.65E-11(.6 0.0)
2300, 5.53E-11(.6 0.0)	2305, 5.42E-11(.6 0.0)	2310, 5.35E-11(.6 0.0)	2315, 5.22E-11(.6 0.0)	0.00E-11(.0 0.0)
2320, 4.99E-11(.6 0.0)	2325, 4.99E-11(.6 0.0)	2330, 4.76E-11(.6 0.0)	2335, 4.97E-11(.6 0.0)	2340, 4.97E-11(.6 0.0)
2345, 5.01E-11(.6 0.0)	2350, 5.13E-11(.6 0.0)	2355, 5.64E-11(.6 0.0)	2360, 6.33E-11(.6 0.0)	2365, 6.29E-11(.6 0.0)
2370, 5.88E-11(.6 0.0)	2375, 5.38E-11(.6 0.0)	2380, 5.19E-11(.6 0.0)	2385, 5.40E-11(.6 0.0)	2390, 5.59E-11(.6 0.0)
2395, 5.71E-11(.5 0.0)	2400, 5.62E-11(.5 0.0)	2405, 5.34E-11(.5 0.0)	2410, 5.13E-11(.5 0.0)	2415, 5.16E-11(.5 0.0)
2420, 5.51E-11(.5 0.0)	2425, 6.03E-11(.5 0.0)	2430, 6.29E-11(.5 0.0)	2435, 5.99E-11(.5 0.0)	2440, 5.44E-11(.5 0.0)
2445, 5.12E-11(.5 0.0)	2450, 5.02E-11(.5 0.0)	2455, 4.94E-11(.5 0.0)	2460, 4.96E-11(.5 0.0)	2465, 5.03E-11(.5 0.0)
2470, 5.18E-11(.4 0.0)	2475, 5.51E-11(.4 0.0)	2480, 5.72E-11(.4 0.0)	2485, 5.67E-11(.4 0.0)	2490, 5.69E-11(.4 0.0)
2495, 5.78E-11(.4 0.0)	2500, 5.63E-11(.4 0.0)	2505, 5.31E-11(.4 0.0)	2510, 5.16E-11(.4 0.0)	2515, 5.19E-11(.4 0.0)
2520, 5.32E-11(.4 0.0)	2525, 5.46E-11(.4 0.0)	2530, 5.45E-11(.4 0.0)	2535, 5.19E-11(.4 0.0)	2540, 4.79E-11(.4 0.0)
2545, 4.56E-11(.4 0.0)	2550, 4.61E-11(.4 0.0)	2555, 4.82E-11(.4 0.0)	2560, 4.86E-11(.4 0.0)	2565, 4.67E-11(.4 0.0)
2570, 4.50E-11(.4 0.0)	2575, 4.53E-11(.4 0.0)	2580, 4.61E-11(.4 0.0)	2585, 4.62E-11(.4 0.0)	2590, 4.55E-11(.4 0.0)
2595, 4.53E-11(.4 0.0)	2600, 4.54E-11(.4 0.0)	2605, 4.52E-11(.4 0.0)	2610, 4.51E-11(.4 0.0)	2615, 4.51E-11(.4 0.0)
2620, 4.49E-11(.4 0.0)	2625, 4.41E-11(.4 0.0)	2630, 4.32E-11(.4 0.0)	2635, 4.22E-11(.4 0.0)	2640, 4.12E-11(.4 0.0)
2645, 4.02E-11(.4 0.0)	2650, 4.00E-11(.4 0.0)	2655, 4.05E-11(.4 0.0)	2660, 4.12E-11(.4 0.0)	2665, 4.14E-11(.4 0.0)
2670, 4.08E-11(.3 0.0)	2675, 3.99E-11(.4 0.0)	2680, 3.90E-11(.4 0.0)	2685, 3.80E-11(.4 0.0)	0.00E-11(.0 0.0)
3000, 4.08E-11(.4 0.0)	3005, 3.90E-11(.4 0.0)	3010, 3.74E-11(.4 0.0)	3015, 3.78E-11(.3 0.0)	3020, 4.04E-11(.3 0.0)
3025, 4.23E-11(.3 0.0)	3030, 3.95E-11(.3 0.0)	3035, 3.56E-11(.3 0.0)	3040, 3.47E-11(.3 0.0)	3045, 3.47E-11(.3 0.0)
3050, 3.41E-11(.3 0.0)	3055, 3.32E-11(.4 0.0)	3060, 3.12E-11(.4 0.0)	3065, 2.89E-11(.4 0.0)	3070, 2.90E-11(.4 0.0)
3075, 3.12E-11(.4 0.0)	3080, 3.32E-11(.3 0.0)	3085, 3.32E-11(.3 0.0)	3090, 3.13E-11(.3 0.0)	3095, 2.92E-11(.4 0.0)
3100, 2.80E-11(.4 0.0)	3105, 2.72E-11(.4 0.0)	3110, 2.60E-11(.4 0.0)	3115, 2.50E-11(.4 0.0)	3120, 2.47E-11(.4 0.0)
3125, 2.50E-11(.4 0.0)	3130, 2.49E-11(.4 0.0)	3135, 2.39E-11(.4 0.0)	3140, 2.22E-11(.4 0.0)	3145, 2.08E-11(.4 0.0)
3150, 2.01E-11(.4 0.0)	3155, 1.96E-11(.4 0.0)	3160, 1.91E-11(.4 0.0)	3165, 1.84E-11(.4 0.0)	3170, 1.79E-11(.5 0.0)
3175, 1.76E-11(.5 0.0)	3180, 1.76E-11(.5 0.0)	3185, 1.76E-11(.5 0.0)	3190, 1.74E-11(.5 0.0)	3195, 1.74E-11(.5 0.0)
3200, 1.73E-11(.5 0.0)	3205, 1.72E-11(.5 0.0)	3210, 1.71E-11(.5 0.0)	3215, 1.69E-11(.5 0.0)	3220, 1.67E-11(.5 0.0)
3225, 1.64E-11(.5 0.0)	3230, 1.60E-11(.5 0.0)	3235, 1.57E-11(.6 0.0)	3240, 1.54E-11(.6 0.0)	3245, 1.52E-11(.6 0.0)
3250, 1.50E-11(.6 0.0)	3255, 1.49E-11(.6 0.0)	3260, 1.47E-11(.6 0.0)	3265, 1.47E-11(.6 0.0)	3270, 1.48E-11(.6 0.0)
3275, 1.51E-11(.6 0.0)	3280, 1.55E-11(.6 0.0)	3285, 1.61E-11(.6 0.0)	3290, 1.69E-11(.6 0.0)	3295, 1.75E-11(.6 0.0)
3300, 0.00E-11(.0 0.0)	3305, 0.00E-11(.0 0.0)	3310, 0.00E-11(.0 0.0)	3315, 0.00E-11(.0 0.0)	3320, 0.00E-11(.0 0.0)
3325, 0.00E-11(.0 0.0)	3330, 0.00E-11(.0 0.0)	3335, 0.00E-11(.0 0.0)	3340, 0.00E-11(.0 0.0)	3345, 0.00E-11(.0 0.0)
3350, 0.00E-11(.0 0.0)	3355, 0.00E-11(.0 0.0)	3360, 0.00E-11(.0 0.0)	3365, 0.00E-11(.0 0.0)	3370, 0.00E-11(.0 0.0)
3375, 0.00E-11(.0 0.0)	3380, 0.00E-11(.0 0.0)	3385, 0.00E-11(.0 0.0)	3390, 0.00E-11(.0 0.0)	3395, 0.00E-11(.0 0.0)
3400, 0.00E-11(.0 0.0)	3405, 0.00E-11(.0 0.0)	3410, 0.00E-11(.0 0.0)	3415, 0.00E-11(.0 0.0)	3420, 0.00E-11(.0 0.0)
3425, 0.00E-11(.0 0.0)	3430, 0.00E-11(.0 0.0)	3435, 0.00E-11(.0 0.0)	3440, 0.00E-11(.0 0.0)	3445, 0.00E-11(.0 0.0)
3450, 0.00E-11(.0 0.0)	3455, 0.00E-11(.0 0.0)	3460, 0.00E-11(.0 0.0)	3465, 0.00E-11(.0 0.0)	3470, 0.00E-11(.0 0.0)
3475, 0.00E-11(.0 0.0)	3480, 0.00E-11(.0 0.0)	3485, 0.00E-11(.0 0.0)	3490, 0.00E-11(.0 0.0)	3495, 0.00E-11(.0 0.0)
3500, 0.00E-11(.0 0.0)	3505, 0.00E-11(.0 0.0)	3510, 0.00E-11(.0 0.0)	3515, 0.00E-11(.0 0.0)	3520, 0.00E-11(.0 0.0)
3525, 0.00E-11(.0 0.0)	3530, 0.00E-11(.0 0.0)	3535, 0.00E-11(.0 0.0)	3540, 0.00E-11(.0 0.0)	3545, 0.00E-11(.0 0.0)
3550, 0.00E-11(.0 0.0)	3555, 0.00E-11(.0 0.0)	3560, 0.00E-11(.0 0.0)	3565, 0.00E-11(.0 0.0)	3570, 0.00E-11(.0 0.0)
3575, 0.00E-11(.0 0.0)	3580, 0.00E-11(.0 0.0)	3585, 0.00E-11(.0 0.0)	3590, 0.00E-11(.0 0.0)	3595, 0.00E-11(.0 0.0)
3600, 0.00E-11(.0 0.0)	3605, 0.00E-11(.0 0.0)	3610, 0.00E-11(.0 0.0)	3615, 0.00E-11(.0 0.0)	3620, 0.00E-11(.0 0.0)
3625, 0.00E-11(.0 0.0)	3630, 0.00E-11(.0 0.0)	3635, 0.00E-11(.0 0.0)	3640, 0.00E-11(.0 0.0)	3645, 0.00E-11(.0 0.0)
3650, 0.00E-11(.0 0.0)	3655, 0.00E-11(.0 0.0)	3660, 0.00E-11(.0 0.0)	3665, 0.00E-11(.0 0.0)	3670, 0.00E-11(.0 0.0)
3675, 0.00E-11(.0 0.0)	3680, 0.00E-11(.0 0.0)	3685, 0.00E-11(.0 0.0)	3690, 0.00E-11(.0 0.0)	3695, 0.00E-11(.0 0.0)
3700, 0.00E-11(.0 0.0)	3705, 0.00E-11(.0 0.0)	3710, 0.00E-11(.0 0.0)	3715, 0.00E-11(.0 0.0)	3720, 0.00E-11(.0 0.0)
3725, 0.00E-11(.0 0.0)	3730, 0.00E-11(.0 0.0)	3735, 0.00E-11(.0 0.0)	3740, 0.00E-11(.0 0.0)	3745, 0.00E-11(.0 0.0)
3750, 0.00E-11(.0 0.0)	3755, 0.00E-11(.0 0.0)	3760, 0.00E-11(.0 0.0)	3765, 0.00E-11(.0 0.0)	3770, 0.00E-11(.0 0.0)
3775, 0.00E-11(.0 0.0)	3780, 0.00E-11(.0 0.0)	3785, 0.00E-11(.0 0.0)	3790, 0.00E-11(.0 0.0)	3795, 0.00E-11(.0 0.0)
3800, 0.00E-11(.0 0.0)	3805, 0.00E-11(.0 0.0)	3810, 0.00E-11(.0 0.0)	3815, 0.00E-11(.0 0.0)	3820, 0.00E-11(.0 0.0)
3825, 0.00E-11(.0 0.0)	3830, 0.00E-11(.0 0.0)	3835, 0.00E-11(.0 0.0)	3840, 0.00E-11(.0 0.0)	3845, 0.00E-11(.0 0.0)
3850, 0.00E-11(.0 0.0)	3855, 0.00E-11(.0 0.0)	3860, 0.00E-11(.0 0.0)	3865, 0.00E-11(.0 0.0)	3870, 0.00E-11(.0 0.0)
3875, 0.00E-11(.0 0.0)	3880, 0.00E-11(.0 0.0)	3885, 0.00E-11(.0 0.0)	3890, 0.00E-11(.0 0.0)	3895, 0.00E-11(.0 0.0)
3900, 0.00E-11(.0 0.0)	3905, 0.00E-11(.0 0.0)	3910, 0.00E-11(.0 0.0)	3915, 0.00E-11(.0 0.0)	3920, 0.00E-11(.0 0.0)
3925, 0.00E-11(.0 0.0)	3930, 0.00E-11(.0 0.0)	3935, 0.00E-11(.0 0.0)	3940, 0.00E-11(.0 0.0)	3945, 0.00E-11(.0 0.0)
3950, 0.00E-11(.0 0.0)	3955, 0.00E-11(.0 0.0)	3960, 0.00E-11(.0 0.0)	3965, 0.00E-11(.0 0.0)	3970, 0.00E-11(.0 0.0)
3975, 0.00E-11(.0 0.0)	3980, 0.00E-11(.0 0.0)	3985, 0.00E-11(.0 0.0)	3990, 0.00E-11(.0 0.0)	3995, 0.00E-11(.0 0.0)
4000, 0.00E-11(.0 0.0)	4005, 0.00E-11(.0 0.0)	4010, 0.00E-11(.0 0.0)	4015, 0.00E-11(.0 0.0)	4020, 0.00E-11(.0 0.0)
4025, 0.00E-11(.0 0.0)	4030, 0.00E-11(.0 0.0)	4035, 0.00E-11(.0 0.0)	4040, 0.00E-11(.0 0.0)	4045, 0.00E-11(.0 0.0)
4050, 0.00E-11(.0 0.0)	4055, 0.00E-11(.0 0.0)	4060, 0.00E-11(.0 0.0)	4065, 0.00E-11(.0 0.0)	4070, 0.00E-11(.0 0.0)
4075, 0.00E-11(.0 0.0)	4080, 0.00E-11(.0 0.0)	4085, 0.00E-11(.0 0.0)	4090, 0.00E-11(.0 0.0)	4095, 0.00E-11(.0 0.0)
4100, 0.00E-11(.0 0.0)	4105, 0.00E-11(.0 0.0)	4110, 0.00E-11(.0 0.0)	4115, 0.00E-11(.0 0.0)	4120, 0.00E-11(.0 0.0)
4125, 0.00E-11(.0 0.0)	4130, 0.00E-11(.0 0.0)	4135, 0.00E-11(.0 0.0)	4140, 0.00E-11(.0 0.0)	4145, 0.00E-11(.0 0.0)
4150, 0.00E-11(.0 0.0)	4155, 0.00E-11(.0 0.0)	4160, 0.00E-11(.0 0.0)	4165, 0.00E-11(.0 0.0)	4170, 0.00E-11(.0 0.0)
4175, 0.00E-11(.0 0.0)	4180, 0.00E-11(.0 0.0)	4185, 0.00E-11(.0 0.0)	4190, 0.00E-11(.0 0.0)	4195, 0.00E-11(.0 0.0)
4200, 0.00E-11(.0 0.0)	4205, 0.00E-11(.0 0.0)	4210, 0.00E-11(.0 0.0)	4215, 0.00E-11(.0 0.0)	4220, 0.00E-11(.0 0.0)
4225, 0.00E-11(.0 0.0)	4230, 0.00E-11(.0 0.0)	4235, 0.00E-11(.0 0.0)	4240, 0.00E-11(.0 0.0)	4245, 0.00E-11(.0 0.0)
4250, 0.00E-11(.0 0.0)	4255, 0.00E-11(.0 0.0)	4260, 0.00E-11(.0 0.0)	4265, 0.00E-11(.0 0.0)	4270, 0.00E-11(.0 0.0)
4275, 0.00E-11(.0 0.0)	4280, 0.00E-11(.0 0.0)	4285, 0.00E-11(.0 0.0)	4290, 0.00E-11(.0 0.0)	4295, 0.00E-11(.0 0.0)
4300, 0.00E-11(.0 0.0)	4305, 0.00E-11(.0 0.0)	4310, 0.00E-11(.0 0.0)	4315, 0.00E-11(.0 0.0)	4320, 0.00E-11(.0 0.0)
4325, 0.00E-11(.0 0.0)	4330, 0.00E-11(.0 0.0)	4335, 0.00E-11(.0 0.0)	4340, 0.00E-11(.0 0.0)	4345, 0.00E-11(.0 0.0)
4350, 0.00E-11(.0 0.0)	4355, 0.00E-11(.0 0.0)	4360, 0.00E-11(.0 0.0)	4365, 0.00E-11(.0 0.0)	4370, 0.00E-11(.0 0.0)
4375, 0.00E-11(.0 0.0)	4380, 0.00E-11(.0 0.0)	4385, 0.00E-11(.0 0.0)	4390, 0.00E-11(.0 0.0)	4395, 0.00E-11(.0 0.0)
4400, 0.00E-11(.0 0.0)	4405, 0.00E-11(.0 0.0)	4410, 0.00E-11(.0 0.0)	4415, 0.00E-11(.0 0.0)	4420, 0.00E-11(.0 0.0)
4425, 0.00E-11(.0 0.0)	4430, 0.00E-11(.0 0.0)	4435, 0.00E-11(.0 0.0)	4440, 0.00E-11(.0 0.0)	4445, 0.00E-11(.0 0.0)
4450, 0.00E-11(.0 0.0)	4455, 0.00E-11(.0 0.0)	4460, 0.00E-11(.0 0.0)	4465, 0.00E-11(.0 0.0)	4470, 0.00E-11(.0 0.0)
4475, 0.00E-11(.0 0.0)	4480, 0.00E-11(.0 0.0)	4485, 0.00E-11(.0 0.0)	4490, 0.00E-11(.0 0.0)	4495, 0.00E-11(.0 0.0)
4500, 0.00E-11(.0 0.0)	4505, 0.00E-11(.0 0.0)	4510, 0.00E-11(.0 0.0)	4515, 0.00E-11(.0 0.0)	4520, 0.00E-11(.0 0.0)
4525, 0.00E-11(.0 0.0)	4530, 0.00E-11(.0 0.0)	4535, 0.00E-11(.0 0.0)	4540, 0.00E-11(.0 0.0)</	

$$R = 0.56:$$

HD 61071

HD 61071

HD 61071

LAMBDA, F (WT, SIG)

F = AVE FLUX FROM LAM-DEL/2 TO LAM+DEL/2

1690, 2.17E-10(.5 0.0)	1692, 2.60E-10(.6 0.0)	1694, 2.99E-10(.7 0.0)	1696, 2.88E-10(.7 0.0)	1698, 2.56E-10(.6 0.0)
1700, 2.44E-10(.6 0.0)	1702, 2.45E-10(.6 0.0)	1704, 2.58E-10(.6 0.0)	1706, 2.71E-10(.7 0.0)	1708, 2.73E-10(.7 0.0)
1710, 2.82E-10(.7 0.0)	1712, 2.87E-10(.7 0.0)	1714, 2.77E-10(.7 0.0)	1716, 2.61E-10(.7 0.0)	1718, 2.28E-10(.6 0.0)
1720, 2.04E-10(.5 0.0)	1722, 2.02E-10(.5 0.0)	1724, 1.92E-10(.5 0.0)	1726, 1.92E-10(.5 0.0)	1728, 2.01E-10(.5 0.0)
1730, 1.90E-10(.5 0.0)	1732, 1.89E-10(.6 0.0)	1734, 2.12E-10(.7 0.0)	1736, 2.28E-10(.7 0.0)	1738, 2.52E-10(.7 0.0)
1740, 2.82E-10(.7 0.0)	1742, 2.71E-10(.7 0.0)	1744, 2.47E-10(.7 0.0)	1746, 2.29E-10(.7 0.0)	1748, 2.11E-10(.7 0.0)
1750, 2.03E-10(.7 0.0)	1752, 2.07E-10(.7 0.0)	1754, 2.14E-10(.7 0.0)	1756, 2.32E-10(.7 0.0)	1758, 2.47E-10(.7 0.0)
1760, 2.45E-10(.7 0.0)	1762, 2.44E-10(.7 0.0)	1764, 2.48E-10(.7 0.0)	1766, 2.42E-10(.7 0.0)	1768, 2.16E-10(.7 0.0)
1770, 1.92E-10(.7 0.0)	1772, 1.84E-10(.7 0.0)	1774, 1.82E-10(.7 0.0)	1776, 1.79E-10(.7 0.0)	1778, 1.91E-10(.7 0.0)
1780, 2.20E-10(.6 0.0)	1782, 2.35E-10(.6 0.0)	1784, 2.38E-10(.6 0.0)	1786, 2.29E-10(.6 0.0)	1788, 2.13E-10(.6 0.0)
1790, 2.00E-10(.6 0.0)	1792, 1.94E-10(.6 0.0)	1794, 2.00E-10(.6 0.0)	1796, 2.09E-10(.6 0.0)	1798, 2.11E-10(.6 0.0)
1800, 2.02E-10(.6 0.0)	1802, 1.77E-10(.6 0.0)	1804, 1.51E-10(.6 0.0)	1806, 1.35E-10(.6 0.0)	1808, 1.33E-10(.6 0.0)
1810, 1.43E-10(.6 0.0)	1812, 1.60E-10(.6 0.0)	1814, 1.74E-10(.6 0.0)	1816, 1.76E-10(.6 0.0)	1818, 1.59E-10(.6 0.0)
1820, 1.44E-10(.6 0.0)	1822, 1.38E-10(.6 0.0)	1824, 1.41E-10(.6 0.0)	1826, 1.50E-10(.6 0.0)	0, 0.0 (0.0 0.0)
1800, 2.01E-10(.6 0.0)	1805, 1.44E-10(.7 0.0)	1810, 1.44E-10(.6 0.0)	1815, 1.74E-10(.6 0.0)	1820, 1.46E-10(.6 0.0)
1825, 1.45E-10(.6 0.0)	1830, 1.69E-10(.6 0.0)	1835, 1.85E-10(.6 0.0)	1840, 1.58E-10(.6 0.0)	1845, 1.28E-10(.6 0.0)
1850, 1.48E-10(.6 0.0)	1855, 1.48E-10(.5 0.0)	1860, 1.43E-10(.5 0.0)	1865, 1.67E-10(.5 0.0)	1870, 1.51E-10(.5 0.0)
1875, 1.60E-10(.5 0.0)	1880, 1.65E-10(.5 0.0)	1885, 1.63E-10(.5 0.0)	1890, 1.61E-10(.5 0.0)	1895, 1.43E-10(.5 0.0)
1900, 1.26E-10(.5 0.0)	1905, 1.26E-10(.5 0.0)	1910, 1.35E-10(.5 0.0)	1915, 1.60E-10(.5 0.0)	1920, 1.44E-10(.5 0.0)
1925, 1.22E-10(.5 0.0)	1930, 1.15E-10(.5 0.0)	1935, 1.35E-10(.5 0.0)	1940, 1.04E-10(.5 0.0)	1945, 1.09E-10(.5 0.0)
1950, 1.20E-10(.4 0.0)	1955, 1.24E-10(.4 0.0)	1960, 1.31E-10(.4 0.0)	1965, 1.33E-10(.4 0.0)	1970, 1.48E-10(.4 0.0)
1975, 1.43E-10(.4 0.0)	1980, 1.56E-10(.4 0.0)	1985, 1.46E-10(.4 0.0)	1990, 1.39E-10(.4 4.5)	1995, 1.68E-10(.4 6.5)
2000, 1.71E-10(.4 10.2)	2005, 1.54E-10(.4 13.0)	2010, 1.52E-10(.4 13.8)	2015, 1.51E-10(.4 14.5)	2020, 1.46E-10(.4 14.8)
2025, 1.35E-10(.4 16.1)	2030, 1.22E-10(.4 16.2)	2035, 1.14E-10(.5 14.8)	2040, 1.12E-10(.5 15.5)	2045, 1.07E-10(.5 12.7)
2050, 9.98E-11(.5 13.8)	2055, 1.10E-10(.5 24.1)	2060, 1.33E-10(.4 26.2)	2065, 1.28E-10(.4 27.6)	2070, 1.07E-10(.5 28.3)
2075, 9.89E-11(.5 22.2)	2080, 9.39E-11(.5 23.7)	2085, 8.93E-11(.6 25.7)	2090, 9.36E-11(.7 14.4)	2095, 9.64E-11(.7 8.1)
2100, 9.46E-11(.8 11.4)	2105, 1.00E-10(.8 10.9)	2110, 1.07E-10(.8 13.8)	2115, 1.05E-10(.8 26.2)	2120, 1.70E-11(.8 26.7)
2125, 9.37E-11(.7 20.2)	2130, 9.06E-11(.7 20.2)	2135, 8.53E-11(.7 28.3)	2140, 8.51E-11(.7 28.4)	2145, 9.06E-11(.8 16.7)
2150, 9.65E-11(.9 7.9)	2155, 9.84E-11(.9 4.7)	2160, 9.85E-11(.9 7.9)	2165, 1.02E-10(.9 5.7)	2170, 1.06E-10(.9 3.0)
2175, 1.05E-10(.9 3.2)	2180, 1.01E-10(.9 2.6)	2185, 9.96E-11(.9 7.6)	2190, 1.02E-10(.9 2.4)	2195, 1.03E-10(.9 1.9)
2200, 1.04E-10(.8 3.7)	2205, 1.06E-10(.8 7.3)	2210, 1.08E-10(.8 7.6)	2215, 1.10E-10(.8 5.3)	2220, 1.13E-10(.8 2.3)
2225, 1.14E-10(.8 5.3)	2230, 1.14E-10(.7 3.3)	2235, 1.14E-10(.7 3.0)	2240, 1.12E-10(.7 6.4)	2245, 1.08E-10(.7 5.4)
2250, 1.05E-10(.7 3.1)	2255, 1.02E-10(.7 1.0)	2260, 9.97E-11(.7 6.2)	2265, 1.01E-10(.7 2.5)	2270, 1.01E-10(.7 4.9)
2275, 1.01E-10(.7 6.8)	2280E, 1.02E-10(.7 6.7)	2285E, 1.09E-10(.7 7.8)	2290E, 1.16E-10(.6 7.8)	2295E, 1.18E-10(.6 9.0)
2300E, 1.18E-10(.6 11.2)	2305E, 1.14E-10(.6 11.3)	2310E, 1.13E-10(.6 10.6)	2315E, 1.13E-10(.6 8.9)	0, 0.0 (0.0 0.0)
2300E, 1.17E-10(.6 10.9)	2310E, 1.13E-10(.6 10.7)	2320E, 1.13E-10(.6 7.6)	2330E, 1.12E-10(.6 7.1)	2340E, 1.13E-10(.6 5.9)
2350E, 1.14E-10(.6 6.5)	2360E, 1.17E-10(.5 8.8)	2370E, 1.16E-10(.5 5.4)	2380E, 1.16E-10(.5 6.8)	2390E, 1.28E-10(.4 11.5)
2400E, 1.38E-10(.4 12.2)	2410E, 1.40E-10(.3 11.3)	2420E, 1.40E-10(.3 15.2)	2430E, 1.45E-10(.3 14.1)	2440E, 1.45E-10(.3 10.3)
2450E, 1.38E-10(.3 5.8)	2460E, 1.21E-10(.3 1.8)	2470E, 1.09E-10(.3 1.4)	2480E, 1.12E-10(.3 3.5)	2490E, 1.21E-10(.3 2.6)
2500E, 1.30E-10(.2 1.1)	2510E, 1.32E-10(.2 5.3)	2520E, 1.31E-10(.2 9.2)	2530E, 1.37E-10(.2 1.2)	2540E, 1.37E-10(.2 4.6)
2550E, 1.35E-10(.2 5.7)	2560E, 1.29E-10(.2 7.2)	2570E, 1.33E-10(.2 2.1)	2580E, 1.41E-10(.1 1.1)	2590E, 1.45E-10(.1 1.7)
2600E, 1.43E-10(.1 4.2)	2610E, 1.44E-10(.1 5.3)	2620E, 1.46E-10(.1 2.9)	2630E, 1.39E-10(.1 3.3)	2640E, 1.41E-10(.1 3.6)
2650E, 1.51E-10(.1 5.6)	2660E, 1.51E-10(.1 5.0)	2670E, 1.45E-10(.1 3.8)	2680E, 1.44E-10(.1 3.8)	2690E, 1.44E-10(.1 6.9)
135, 0.00(0.0 0.0)	139, 0.00(0.0 0.0)	148, 0.00(0.0 0.0)	154, 0.00(0.0 0.0)	161, 0.00(0.0 0.0)
166, 0.00(0.0 0.0)	172, 2.95(.6 0.0)	181, 3.27(.6 0.0)	192, 3.57(.5 0.0)	204, 3.66(.5 0.0)
219, 3.87(.8 2.7)	245E, 3.63(.3 7.7)	280, 0.00(0.0 0.0)	360, 0.00(0.0 0.0)	0, 0.00(0.0 0.0)

X,Y(MM) 12.7 -16.5 SL4- 16 22 SCANS, T= 212 HD 61071 WT .7,SCALE 1.01

X,Y(MM) 12.7 -16.5 SL4- 17 22 SCANS, T= 72 HD 61071 WT .7,SCALE .95

R = 0.69:

HD 61330

HR 2937

HD 61330

LAMBDA, F (WT, SIG)

F = AVE FLUX FROM LAM-DEL/2 TO LAM+DEL/2

1690, 4.88E-10(.7 0.0)	1692, 4.83E-10(.7 0.0)	1694, 5.15E-10(.7 0.0)	1696, 5.27E-10(.7 0.0)	1698, 4.73E-10(.7 0.0)
1700, 4.37E-10(.7 0.0)	1702, 4.74E-10(.7 0.0)	1704, 5.16E-10(.7 0.0)	1706, 4.96E-10(.7 0.0)	1708, 4.71E-10(.7 0.0)
1710, 5.14E-10(.7 0.0)	1712, 5.87E-10(.7 0.0)	1714, 6.10E-10(.7 0.0)	1716, 5.64E-10(.7 0.0)	1718, 4.92E-10(.7 0.0)
1720, 4.59E-10(.7 0.0)	1722, 4.70E-10(.7 0.0)	1724, 4.79E-10(.7 0.0)	1726, 4.67E-10(.7 0.0)	1728, 4.60E-10(.7 0.0)
1730, 4.86E-10(.7 0.0)	1732, 5.18E-10(.7 0.0)	1734, 5.32E-10(.7 0.0)	1736, 5.45E-10(.7 0.0)	1738, 5.57E-10(.7 0.0)
1740, 5.47E-10(.7 0.0)	1742, 5.35E-10(.7 0.0)	1744, 5.39E-10(.7 0.0)	1746, 5.42E-10(.7 0.0)	1748, 5.31E-10(.7 0.0)
1750, 5.13E-10(.7 0.0)	1752, 5.17E-10(.7 0.0)	1754, 5.39E-10(.7 0.0)	1756, 5.84E-10(.7 0.0)	1758, 5.88E-10(.7 0.0)
1760, 5.63E-10(.7 0.0)	1762, 5.49E-10(.7 0.0)	1764, 5.45E-10(.7 0.0)	1766, 5.19E-10(.7 0.0)	1768, 4.79E-10(.7 0.0)
1770, 4.61E-10(.7 0.0)	1772, 4.67E-10(.7 0.0)	1774, 4.64E-10(.7 0.0)	1776, 4.51E-10(.7 0.0)	1778, 4.44E-10(.7 0.0)
1780, 4.40E-10(.7 0.0)	1782, 4.33E-10(.7 0.0)	1784, 4.32E-10(.7 0.0)	1786, 4.37E-10(.7 0.0)	1788, 4.42E-10(.7 0.0)
1790, 4.53E-10(.7 0.0)	1792, 4.67E-10(.7 0.0)	1794, 4.83E-10(.7 0.0)	1796, 5.00E-10(.7 0.0)	1798, 5.09E-10(.7 0.0)
1800, 5.02E-10(.7 0.0)	1802, 4.82E-10(.7 0.0)	1804, 4.59E-10(.7 0.0)	1806, 4.49E-10(.7 0.0)	1808, 4.65E-10(.7 0.0)
1810, 5.07E-10(.7 0.0)	1812, 5.59E-10(.7 0.0)	1814, 6.01E-10(.6 0.0)	1816, 6.16E-10(.6 0.0)	1818, 6.10E-10(.6 0.0)
1820, 5.92E-10(.6 0.0)	1822, 5.69E-10(.6 0.0)	1824, 5.40E-10(.7 0.0)	1826, 5.20E-10(.7 0.0)	0, 0.0 (0.0 0.0)
1800, 4.99E-10(.7 0.0)	1805, 4.56E-10(.7 0.0)	1810, 5.09E-10(.7 0.0)	1815, 6.06E-10(.7 0.0)	1820, 5.91E-10(.6 0.0)
1825, 5.31E-10(.7 0.0)	1830, 5.31E-10(.7 0.0)	1835, 5.22E-10(.7 0.0)	1840, 5.61E-10(.6 0.0)	1845, 5.99E-10(.6 0.0)
1850, 6.11E-10(.6 0.0)	1855, 6.16E-10(.6 0.0)	1860, 6.07E-10(.6 0.0)	1865, 5.64E-10(.6 0.0)	1870, 5.31E-10(.6 0.0)
1875, 5.86E-10(.6 0.0)	1880, 5.89E-10(.6 0.0)	1885, 5.84E-10(.6 0.0)	1890, 5.75E-10(.6 0.0)	1895, 5.75E-10(.6 0.0)
1900, 5.37E-10(.6 0.0)	1905, 4.98E-10(.6 0.0)	1910, 4.99E-10(.6 0.0)	1915, 5.23E-10(.6 0.0)	1920, 5.59E-10(.6 0.0)
1925, 5.28E-10(.6 0.0)	1930, 4.96E-10(.6 0.0)	1935, 5.21E-10(.6 0.0)	1940, 5.70E-10(.6 0.0)	1945, 5.75E-10(.6 0.0)
1950, 5.82E-10(.6 0.0)	1955, 6.02E-10(.5 0.0)	1960, 6.02E-10(.5 0.0)	1965, 5.82E-10(.5 0.0)	1970, 5.77E-10(.5 0.0)
1975, 5.43E-10(.5 0.0)	1980, 4.96E-10(.6 0.0)	1985, 4.94E-10(.5 0.0)	1990, 5.60E-10(.5 0.0)	1995, 5.89E-10(.5 0.0)
2000, 5.83E-10(.5 0.0)	2005, 5.91E-10(.5 0.0)	2010, 5.62E-10(.5 0.0)	2015, 5.09E-10(.5 0.0)	2020, 4.85E-10(.5 0.0)
2025, 4.84E-10(.5 0.0)	2030, 4.93E-10(.5 0.0)	2035, 5.08E-10(.5 0.0)	2040, 5.14E-10(.5 0.0)	2045, 5.29E-10(.4 0.0)
2050, 5.52E-10(.4 0.0)	2055, 5.44E-10(.4 0.0)	2060, 5.66E-10(.4 0.0)	2065, 6.03E-10(.4 0.0)	2070, 5.91E-10(.4 0.0)
2075, 6.18E-10(.3 0.0)	2080E, 6.74E-10(.3 0.0)	2085E, 6.95E-10(.3 0.0)	2090E, 7.01E-10(.3 0.0)	2095E, 6.78E-10(.3 0.0)
2100E, 6.20E-10(.3 0.0)	2105E, 5.82E-10(.3 0.0)	2110E, 5.61E-10(.3 0.0)	2115, 5.33E-10(.3 0.0)	2120, 5.30E-10(.3 0.0)
2125E, 5.75E-10(.3 0.0)	2130E, 6.22E-10(.3 0.0)	2135E, 6.21E-10(.3 0.0)	2140E, 5.91E-10(.3 0.0)	2145E, 5.87E-10(.3 0.0)
2150E, 5.26E-10(.3 0.0)	2155E, 6.43E-10(.3 0.0)	2160E, 5.83E-10(.3 0.0)	2165E, 5.09E-10(.3 0.0)	2170E, 4.80E-10(.3 0.0)
2175E, 4.75E-10(.3 0.0)	2180E, 4.65E-10(.3 0.0)	2185E, 4.62E-10(.3 0.0)	2190E, 4.82E-10(.3 0.0)	2195E, 5.07E-10(.3 0.0)
2200E, 5.31E-10(.2 0.0)	2205E, 5.57E-10(.2 0.0)	2210E, 5.83E-10(.2 0.0)	2215E, 5.92E-10(.2 0.0)	2220E, 5.82E-10(.2 0.0)
2225E, 5.61E-10(.2 0.0)	2230E, 5.38E-10(.2 0.0)	2235E, 5.20E-10(.2 0.0)	2240E, 5.11E-10(.2 0.0)	2245E, 4.95E-10(.2 0.0)
2250E, 4.75E-10(.2 0.0)	2255E, 4.73E-10(.2 0.0)	2260E, 5.02E-10(.2 0.0)	2265E, 5.42E-10(.2 0.0)	2270E, 5.59E-10(.2 0.0)
2275E, 5.37E-10(.2 0.0)	2280E, 5.06E-10(.2 0.0)	2285E, 4.92E-10(.2 0.0)	2290E, 5.17E-10(.2 0.0)	2295E, 5.44E-10(.2 0.0)
2300E, 5.73E-10(.2 0.0)	2305E, 6.11E-10(.2 0.0)	2310E, 6.48E-10(.1 0.0)	2315E, 6.52E-10(.1 0.0)	0, 0.0 (0.0 0.0)
2300E, 5.74E-10(.1 0.0)	2310E, 6.47E-10(.2 0.0)	2320E, 6.17E-10(.1 0.0)	2330E, 5.90E-10(.1 0.0)	2340E, 6.62E-10(.1 0.0)
2350E, 6.25E-10(.1 0.0)	2360E, 5.68E-10(.1 0.0)	2370E, 5.82E-10(.1 0.0)	2380E, 5.65E-10(.1 0.0)	2390E, 5.55E-10(.1 0.0)
135, 0.00(0.0 0.0)	139, 0.00(0.0 0.0)	148, 0.00(0.0 0.0)	154, 0.00(0.0 0.0)	161, 0.00(0.0 0.0)
166, 0.00(0.0 0.0)	172, 2.11(.7 0.0)	181, 2.12(.7 0.0)	192, 2.04(.6 0.0)	204, 2.02(.4 0.0)
219E, 2.07(.3 0.0)	245, 0.00(0.0 0.0)	280, 0.00(0.0 0.0)	360, 0.00(0.0 0.0)	0, 0.00(0.0 0.0)

X,Y(MM) -14.9 14.9 SL4- 81 18 SCANS, T= 225: HR 2937 WT .7,SCALE 1.00

R = 0.43+-



R = .051::

LAMBDA, F (WT, SIG)				F = AVE FLUX FROM LAM-DEL/2 TO LAM-DEL/2				LAMBDA, F (WT, SIG)				F = AVE FLUX FROM LAM-DEL/2 TO LAM-DEL/2				LAMBDA, F (WT, SIG)				F = AVE FLUX FROM LAM-DEL/2 TO LAM-DEL/2																																																																																																																																																																																																																																																																																																																																																																																																																																																											
1730.	0.	(0.0)	(0.0)	1732.	0.	(0.0)	(0.0)	1734.	0.	(0.0)	(0.0)	1736.	1.17E-10	(.7)	(.0)	1738.	1.20E-10	(.6)	(.0)	1740.	1.22E-10	(.7)	(.0)	1742.	1.26E-10	(.7)	(.0)	1744.	1.21E-10	(.7)	(.0)	1746.	1.08E-10	(.6)	(.0)	1748.	1.06E-10	(.6)	(.0)	1750.	1.09E-10	(.7)	(.0)	1752.	1.09E-10	(.6)	(.0)	1754.	1.06E-10	(.6)	(.0)	1756.	1.06E-10	(.6)	(.0)	1758.	1.04E-10	(.7)	(.0)	1760.	1.01E-10	(.6)	(.0)	1762.	9.36E-11	(.6)	(.0)	1764.	9.50E-11	(.6)	(.0)	1766.	1.05E-10	(.7)	(.0)	1768.	1.18E-10	(.7)	(.0)	1770.	1.13E-10	(.7)	(.0)	1772.	1.04E-10	(.7)	(.0)	1774.	1.01E-10	(.7)	(.0)	1776.	1.01E-10	(.7)	(.0)	1778.	1.03E-10	(.7)	(.0)	1780.	1.05E-10	(.7)	(.0)	1782.	1.01E-10	(.7)	(.0)	1784.	8.75E-11	(.6)	(.0)	1786.	7.97E-11	(.6)	(.0)	1788.	8.17E-11	(.7)	(.0)	1790.	8.83E-11	(.7)	(.0)	1792.	9.17E-11	(.7)	(.0)	1794.	9.15E-11	(.7)	(.0)	1796.	8.64E-11	(.7)	(.0)	1798.	8.17E-11	(.6)	(.0)	1800.	8.61E-11	(.7)	(.0)	1802.	9.70E-11	(.7)	(.0)	1804.	1.03E-10	(.7)	(.0)	1806.	8.99E-11	(.7)	(.0)	1808.	9.64E-11	(.7)	(.0)	1810.	9.18E-11	(.7)	(.0)	1812.	1.04E-10	(.7)	(.0)	1814.	.05E-10	(.7)	(.0)	1816.	1.04E-10	(.7)	(.0)	1818.	9.86E-11	(.7)	(.0)	1820.	9.18E-11	(.7)	(.0)	1822.	8.63E-11	(.7)	(.0)	1824.	8.74E-11	(.7)	(.0)	1826.	8.74E-11	(.7)	(.0)	1828.	0.	(0.0)	(0.0)	1830.	0.	(0.0)	(0.0)	1832.	0.	(0.0)	(0.0)	1834.	0.	(0.0)	(0.0)	1836.	0.	(0.0)	(0.0)	1838.	0.	(0.0)	(0.0)	1840.	0.	(0.0)	(0.0)	1842.	0.	(0.0)	(0.0)	1844.	0.	(0.0)	(0.0)	1846.	0.	(0.0)	(0.0)	1848.	0.	(0.0)	(0.0)	1850.	0.	(0.0)	(0.0)	1852.	0.	(0.0)	(0.0)	1854.	0.	(0.0)	(0.0)	1856.	0.	(0.0)	(0.0)	1858.	0.	(0.0)	(0.0)	1860.	0.	(0.0)	(0.0)	1862.	0.	(0.0)	(0.0)	1864.	0.	(0.0)	(0.0)	1866.	0.	(0.0)	(0.0)	1868.	0.	(0.0)	(0.0)	1870.	0.	(0.0)	(0.0)	1872.	0.	(0.0)	(0.0)	1874.	0.	(0.0)	(0.0)	1876.	0.	(0.0)	(0.0)	1878.	0.	(0.0)	(0.0)	1880.	0.	(0.0)	(0.0)	1882.	0.	(0.0)	(0.0)	1884.	0.	(0.0)	(0.0)	1886.	0.	(0.0)	(0.0)	1888.	0.	(0.0)	(0.0)	1890.	0.	(0.0)	(0.0)	1892.	0.	(0.0)	(0.0)	1894.	0.	(0.0)	(0.0)	1896.	0.	(0.0)	(0.0)	1898.	0.	(0.0)	(0.0)	1900.	0.	(0.0)	(0.0)	1902.	0.	(0.0)	(0.0)	1904.	0.	(0.0)	(0.0)	1906.	0.	(0.0)	(0.0)	1908.	0.	(0.0)	(0.0)	1910.	0.	(0.0)	(0.0)	1912.	0.	(0.0)	(0.0)	1914.	0.	(0.0)	(0.0)	1916.	0.	(0.0)	(0.0)	1918.	0.	(0.0)	(0.0)	1920.	0.	(0.0)	(0.0)	1922.	0.	(0.0)	(0.0)	1924.	0.	(0.0)	(0.0)	1926.	0.	(0.0)	(0.0)	1928.	0.	(0.0)	(0.0)	1930.	0.	(0.0)	(0.0)	1932.	0.	(0.0)	(0.0)	1934.	0.	(0.0)	(0.0)	1936.	0.	(0.0)	(0.0)	1938.	0.	(0.0)	(0.0)	1940.	0.	(0.0)	(0.0)	1942.	0.	(0.0)	(0.0)	1944.	0.	(0.0)	(0.0)	1946.	0.	(0.0)	(0.0)	1948.	0.	(0.0)	(0.0)	1950.	0.	(0.0)	(0.0)	1952.	0.	(0.0)	(0.0)	1954.	0.	(0.0)	(0.0)	1956.	0.	(0.0)	(0.0)	1958.	0.	(0.0)	(0.0)	1960.	0.	(0.0)	(0.0

$$R = (0,82):$$

**R = 0.79**





LAMBDA, F		( WT, SIG)		F = AVE FLUX		FROM LAM-DEL/2 TO LAM-DEL/2				
LAMBDA	F	( WT)	SIG)	LAMBDA	F	( WT)	SIG)	LAMBDA	F	
1560U	1.90E-10( .3 .0)	1552.0	0.0	0.0	1554.3	3.1E-10( .4 .0)	1556U	9.1E-10( .4 .0)	1558.2	2.06E-10( .3 .0)
1570U	2.16E-10( .4 .0)	1562.2	2.00E-10( .4 .0)	1564.2	2.20E-10( .4 .0)	1566.2	2.40E-10( .4 .0)	1568.2	2.33E-10( .4 .0)	
1580U	2.24E-10( .5 .0)	1572.2	2.12E-10( .4 .0)	1574.2	1.99E-10( .4 .0)	1576.2	1.94E-10( .4 .0)	1578.2	2.25E-10( .4 .0)	
1590U	2.09E-10( .4 .0)	1582.2	2.36E-10( .5 .0)	1584.2	2.25E-10( .5 .0)	1586.2	2.05E-10( .4 .0)	1588.2	2.06E-10( .4 .0)	
1600U	2.10E-10( .5 .0)	1592.2	1.92E-10( .4 .0)	1594.2	1.86E-10( .4 .0)	1596.2	2.08E-10( .4 .0)	1598.2	2.01E-10( .5 .0)	
1610U	2.02E-10( .6 .0)	1602.2	2.07E-10( .5 .0)	1604.2	2.11E-10( .5 .0)	1606.2	2.28E-10( .6 .0)	1608.2	2.12E-10( .6 .0)	
1620U	2.10E-10( .6 .0)	1612.2	2.16E-10( .5 .0)	1614.2	2.10E-10( .6 .0)	1616.2	2.14E-10( .6 .0)	1618.2	2.08E-10( .6 .0)	
1630U	2.35E-10( .7 .0)	1622.2	2.17E-10( .6 .0)	1624.2	2.40E-10( .7 .0)	1626.2	2.30E-10( .7 .0)	1628.2	2.28E-10( .7 .0)	
1640U	2.19E-10( .7 .0)	1632.2	2.44E-10( .7 .0)	1634.2	2.34E-10( .7 .0)	1636.2	2.19E-10( .7 .0)	1638.2	2.13E-10( .7 .0)	
1650U	2.23E-10( .7 .0)	1642.2	2.23E-10( .7 .0)	1644.2	2.25E-10( .7 .0)	1646.2	2.25E-10( .7 .0)	1648.2	2.15E-10( .7 .0)	
1660U	2.66E-10( .7 .0)	1652.2	2.19E-10( .7 .0)	1654.2	2.15E-10( .7 .0)	1656.2	2.49E-10( .7 .0)	1658.2	2.74E-10( .7 .0)	
1670U	2.33E-10( .7 .0)	1662.2	2.68E-10( .7 .0)	1664.2	2.64E-10( .7 .0)	1666.2	2.65E-10( .7 .0)	1668.2	2.65E-10( .7 .0)	
1680U	2.42E-10( .7 .0)	1672.2	2.15E-10( .7 .0)	1674.2	2.33E-10( .7 .0)	1676.2	2.37E-10( .7 .0)	1678.2	2.29E-10( .7 .0)	
1690U	2.31E-10( .7 .0)	1682.2	2.61E-10( .7 .0)	1684.2	2.54E-10( .7 .0)	1686.2	2.31E-10( .7 .0)	1688.2	2.18E-10( .7 .0)	
1700U	2.37E-10( .7 .0)	1692.2	2.40E-10( .7 .0)	1694.2	2.37E-10( .7 .0)	1696.2	2.37E-10( .7 .0)	1698.2	2.38E-10( .7 .0)	
1710U	2.37E-10( .7 .0)	1702.2	2.22E-10( .7 .0)	1704.2	2.12E-10( .7 .0)	1706.2	2.15E-10( .8 .0)	1708.2	2.11E-10( .8 .0)	
1720U	1.75E-10( .9 .5)	1712.2	2.27E-10( .7 .0)	1714.2	1.58E-10( .8 .15)	1716.2	1.58E-10( .8 .15)	1718.2	1.94E-10( .8 .15)	
1730U	1.84E-10(1.0 .4)	1722.2	1.92E-10( .9 .3)	1724.2	2.05E-10(1.0 .7)	1726.2	2.04E-10(1.0 .7)	1728.2	1.97E-10(1.0 .7)	
1740U	1.67E-10(1.2 .1)	1732.2	1.77E-10(1.0 .8)	1734.2	1.83E-10(1.1 .5)	1736.2	1.85E-10(1.1 .5)	1738.2	1.75E-10(1.1 .6)	
1750U	1.83E-10(1.4 .7)	1742.2	1.70E-10(1.3 .6)	1744.2	1.72E-10(1.2 .9)	1746.2	1.73E-10(1.2 .9)	1748.2	1.75E-10(1.3 .8)	
1760U	1.73E-10(1.4 .9)	1752.2	1.96E-10(1.4 .8)	1754.2	2.02E-10(1.4 .7)	1756.2	1.93E-10(1.4 .6)	1758.2	1.77E-10(1.4 .12)	
1770U	1.55E-10(1.5 .8)	1762.2	1.74E-10(1.3 .2)	1764.2	1.68E-10(1.3 .2)	1766.2	1.60E-10(1.3 .19)	1768.2	1.57E-10(1.4 .14)	
1780U	1.53E-10(1.6 .13)	1772.2	1.53E-10(1.5 .7)	1774.2	1.51E-10(1.5 .8)	1776.2	1.51E-10(1.6 .8)	1778.2	1.52E-10(1.5 .13)	
1790U	1.49E-10(1.7 .18)	1782.2	1.55E-10(1.7 .10)	1784.2	1.65E-10(1.7 .10)	1786.2	1.69E-10(1.7 .13)	1788.2	1.58E-10(1.8 .18)	
1800U	1.73E-10(2.1 .7)	1792.2	1.47E-10(1.7 .17)	1794.2	1.52E-10(1.8 .15)	1796.2	1.65E-10(1.8 .15)	1798.2	1.74E-10(2.0 .14)	
1810U	1.76E-10(2.3 .14)	1802.2	1.70E-10(2.2 .11)	1804.2	1.72E-10(2.2 .5)	1806.2	1.73E-10(2.2 .6)	1808.2	1.75E-10(2.2	

X, Y (MM)	11.8	-15.6	SL4-100	22	SCANS, T= 231	HD 63425	WT .7, SCALE .68
X <sub>u</sub> , Y (MM)	-3.8	-3.6	SL4- 93	20	SCANS, T= 224	HD 63425	WT .7, SCALE 1.47
X, Y (MM)	-3.8	-3.6	SL4- 94	18	SCANS, T= 75	HD 63425	WT .7, SCALE .93
X, Y (MM)	11.8	-15.6	SL4-102	12	SCANS, T= 31	HD 63425	WT .7, SCALE 1.08
X, Y (MM)	11.8	-15.6	SL4-101	18	SCANS, T= 28	HD 63425	WT .7, SCALE .92

 $R = 0.63$



L590.0 F (WT, SIG)				F = AVE FLUX FROM LAM-DEL/2 TO LAM-DEL/2				L590.0 F (WT, SIG)				F = AVE FLUX FROM LAM-DEL/2 TO LAM-DEL/2			
L590.0	F	(WT)	(SIG)	L590.0	F	(WT)	(SIG)	L590.0	F	(WT)	(SIG)	L590.0	F	(WT)	(SIG)
1600	2.53E-10	4	0	1602	2.58E-10	4	0	1604	2.70E-10	4	0	1606	2.54E-10	4	0
1610	2.34E-10	4	0	1612	2.27E-10	4	0	1614	2.27E-10	4	0	1616	2.77E-10	4	0
1620	2.93E-10	6	0	1622	2.76E-10	6	0	1624	2.64E-10	6	0	1626	2.79E-10	6	0
1630	2.79E-10	7	0	1632	2.60E-10	6	0	1634	2.84E-10	7	0	1636	2.53E-10	6	0
1640	2.74E-10	6	0	1642	2.69E-10	7	0	1644	2.30E-10	5	0	1646	2.29E-10	5	0
1650	2.27E-10	5	0	1652	2.27E-10	5	0	1654	2.37E-10	5	0	1656	2.39E-10	5	0
1660	2.14E-10	4	0	1662	2.14E-10	4	0	1664	2.06E-10	5	0	1666	2.06E-10	5	0
1670	2.29E-10	7	0	1672	2.29E-10	7	0	1674	2.03E-10	7	0	1676	2.03E-10	7	0
1680	2.28E-10	7	2.5	1682	2.94E-10	7	8.0	1684	2.63E-10	7	9.4	1686	2.48E-10	7	11.4
1690	2.66E-10	8	17.0	1692	2.82E-10	8	6.4	1694	2.80E-10	8	4.5	1696	2.70E-10	8	19.9
1700	2.89E-10	9	25.1	1702	2.67E-10	9	27.8	1704	2.45E-10	9	27.3	1706	2.51E-10	9	17.5
1710	3.02E-10	9	10.7	1712	2.97E-10	9	8.6	1714	2.76E-10	9	6.5	1716	2.55E-10	9	2.2
1720	2.65E-10	10	21.1	1722	2.97E-10	10	30.0	1724	2.94E-10	10	28.1	1726	2.72E-10	10	15.0
1730	2.45E-10	10	5.4	1732	2.55E-10	10	18.0	1734	2.92E-10	10	28.8	1736	3.28E-10	10	32.9
1740	2.05E-10	12	17.0	1742	2.86E-10	11	1.4	1744	2.69E-10	11	6.1	1746	2.66E-10	11	21.2
1750	2.35E-10	11	1.3	1752	2.72E-10	11	17.2	1754	2.69E-10	11	25.5	1756	2.66E-10	11	21.2
1760	2.91E-10	13	23.9	1762	2.78E-10	12	22.7	1764	2.59E-10	12	24.5	1766	2.46E-10	12	24.7
1770	2.37E-10	11	16.2	1772	2.17E-10	11	16.5	1774	2.07E-10	11	16.7	1776	2.18E-10	11	17.0
1780	2.77E-10	13	20.5	1782	3.10E-10	14	19.1	1784	3.12E-10	14	14.6	1786	2.89E-10	12	11.5
1790	2.65E-10	12	10.5	1792	2.71E-10	11	6.2	1794	2.70E-10	11	1.1	1796	2.69E-10	11	5.2
1800	2.76E-10	11	2.2	1802	2.78E-10	11	2.2	1804	2.78E-10	11	2.1	1806	2.71E-10	12	1.3
1810	2.63E-10	12	2.8	1812	2.84E-10	13	9.9	1814	3.03E-10	13	10.5	1816	2.96E-10	13	3.1
1820	2.55E-10	11	6.4	1822	2.40E-10	11	1.9	1824	2.42E-10	11	8.9	1826	2.54E-10	12	6.5
1800	2.75E-10	11	2.2	1805	2.74E-10	12	1.1	1810	2.67E-10	12	3.8	1815	2.98E-10	13	6.5
1825	2.48E-10	12	6.9	1830	2.51E-10	11	4.8	1835	2.53E-10	12	3.3	1840	2.96E-10	13	1.1
1850	2.47E-10	12	1.0	1855	2.26E-10	13	3.5	1860	2.66E-10	13	11				

$R = 0.95 \pm$



X, Y (MM)	-16.7 -10.5	SL4- 93	20 SCANS, T= 224	HR 3078	WT .7, SCALE 1.05
X, Y (MM)	-16.7 -10.5	SL4- 94.	17 SCANS, T= 75	HR 3078	WT .7, SCALE .93

$$R = 0.35:$$



LAMBDA	F	( WT. SIG)	F - AVE FLUX	FROM LAM-DEL/2	TO LAM-DEL/2	F - AVE FLUX	FROM LAM-DEL/2	TO LAM-DEL/2	F - AVE FLUX	FROM LAM-DEL/2	TO LAM-DEL/2			
1480A	4.75E-10	4 0 0	1482U	3.70E-10	4 0 0	1484U	3.67E-10	3 0 0	1486	4.06E-10	3 0 0	1488U	3.09E-10	3 0 0
1490U	2.87E-10	3 0 0	1492U	3.50E-10	3 0 0	1494	3.46E-10	4 0 0	1496	3.48E-10	4 0 0	1498	3.52E-10	3 0 0
1500U	2.89E-10	3 0 0	1502U	2.70E-10	3 0 0	1504	3.19E-10	3 0 0	1506	3.17E-10	4 0 0	1508	3.43E-10	4 0 0
1510	3.09E-10	4 0 0	1512U	2.81E-10	4 0 0	1514	3.33E-10	4 0 0	1516	3.20E-10	4 0 0	1518	3.10E-10	4 0 0
1520U	2.87E-10	4 0 0	1522	3.40E-10	4 0 0	1524	3.61E-10	5 0 0	1526	3.53E-10	5 0 0	1528	3.54E-10	6 0 0
1530	3.52E-10	6 0 0	1532	3.44E-10	5 0 0	1534	2.98E-10	4 0 0	1536U	2.42E-10	4 0 0	1538U	2.20E-10	2 0 0
1540	2.41E-10	2 4 0	1542U	1.46E-10	2 0 0	1544U	2.13E-10	2 0 0	1546	2.93E-10	3 0 0	1548U	2.31E-10	2 0 0
1550U	1.94E-10	3 0 0	1552	1.77E-10	3 0 0	1554	3.37E-10	4 0 0	1556	2.9E-10	4 0 0	1558	3.37E-10	4 0 0
1560	2.75E-10	5 0 0	1562	2.75E-10	5 0 0	1564	2.46E-10	4 0 0	1566	2.17E-10	4 0 0	1568	2.23E-10	4 0 0
1570	2.58E-10	5 0 0	1572	2.77E-10	5 0 0	1574	2.33E-10	4 0 0	1576U	1.90E-10	3 0 0	1578U	1.94E-10	3 0 0
1580U	1.83E-10	3 0 0	1582U	1.90E-10	3 0 0	1584	2.05E-10	4 0 0	1586	2.08E-10	4 0 0	1588	2.39E-10	4 0 0
1590	2.32E-10	5 0 0	1592	2.27E-10	5 0 0	1594	2.27E-10	5 0 0	1596	2.26E-10	5 0 0	1598	2.28E-10	5 0 0
1600	2.44E-10	5 0 0	1602	2.45E-10	6 0 0	1604	2.50E-10	6 0 0	1606	2.45E-10	6 0 0	1608	2.35E-10	5 0 0
1610	2.12E-10	3 0 0	1612	1.61E-10	2 0 0	1614	2.00E-10	4 0 0	1616	2.37E-10	4 0 0	1618U	2.75E-10	4 0 0
1620	1.97E-10	4 0 0	1622	1.17E-10	5 0 0	1624	1.13E-10	5 0 0	1626	2.08E-10	5 0 0	1628	1.96E-10	4 0 0
1630	1.72E-10	4 0 0	1632	1.74E-10	4 0 0	1634	1.90E-10	5 0 0	1636	2.07E-10	5 0 0	1638	2.26E-10	7 0 0
1640	2.13E-10	6 0 0	1642	1.93E-10	5 0 0	1644	1.92E-10	5 0 0	1646	1.88E-10	5 0 0	1648	1.94E-10	5 0 0
1650	2.11E-10	6 0 0	1652	2.14E-10	6 0 0	1654	2.05E-10	6 0 0	1656	2.07E-10	6 0 0	1658	2.24E-10	7 0 0
1660	2.41E-10	7 0 0	1662	2.16E-10	6 0 0	1664	1.90E-10	6 0 0	1666	2.05E-10	6 0 0	1668	2.22E-10	7 0 0
1670	2.18E-10	7 0 0	1672	2.17E-10	7 0 0	1674	2.11E-10	6 0 0	1676	2.00E-10	6 0 0	1678	1.97E-10	6 0 0
1680	2.02E-10	6 0 0	1682	2.13E-10	7 0 0	1684	2.26E-10	7 0 0	1686	2.37E-10	7 0 0	1688	2.41E-10	7 0 0
1690	2.37E-10	7 0 0	1692	2.27E-10	7 0 0	1694	2.26E-10	7 0 0	1696	2.11E-10	7 0 0	1698	2.07E-10	7 6 0
1700	2.04E-10	7 1 7	1702	2.09E-10	7 0 0	1704	2.17E-10	7 3 6	1706	2.18E-10	8 7 4	1708	2.14E-10	8 5 7
1710	2.15E-10	8 4 2	1712	2.20E-10	8 6 2	1714	2.22E-10	8 8 4	1716	2.13E-10	8 7 4	1718	1.95E-10	8 1 4
1720														

$R = 0.50$



$R = 0.50$

LAMBDA, F (WT, SIG)

F = AVE FLUX FROM LAM-DEL/2 TO LAM+DEL/2

1310, 2.29E-08(1.1 17.1)	1312, 2.28E-08(1.2 21.4)	1314, 2.00E-08(1.3 8.1)	1316, 2.47E-08(1.3 15.9)	1318, 2.10E-08(1.3 9.6)
1320, 2.10E-08(1.2 5.1)	1322, 1.88E-08(1.1 11.6)	1324, 2.14E-08(1.2 6.6)	1326, 2.37E-08(1.3 13.8)	1328, 2.50E-08(1.4 10.4)
1330, 2.44E-08(1.4 72.8)	1332, 2.34E-08(1.3 17.0)	1334, 2.45E-08(1.4 8.9)	1336, 2.53E-08(1.6 10.6)	1338, 2.29E-08(1.6 16.9)
1340, 2.31E-08(1.5 10.2)	1342, 2.29E-08(1.4 10.8)	1344, 2.27E-08(1.5 12.6)	1346, 2.57E-08(1.5 8.8)	1348, 2.29E-08(1.5 8.6)
1350, 2.05E-08(1.5 14.4)	1352, 1.89E-08(1.3 20.9)	1354, 1.90E-08(1.4 16.7)	1356, 1.93E-08(1.3 11.4)	1358, 1.85E-08(1.3 13.1)
1360, 1.77E-08(1.3 16.4)	1362, 1.69E-08(1.3 18.0)	1364, 1.58E-08(1.3 23.9)	1366, 1.75E-08(1.3 16.1)	1368, 1.52E-08(1.3 21.9)
1370, 1.16E-08(1.3 10.5)	1372, 1.13E-08(1.3 14.8)	1374, 1.16E-08(1.3 19.5)	1376, 1.34E-08(1.2 18.0)	1378, 1.35E-08(1.2 17.9)
1380, 1.39E-08(1.2 20.1)	1382, 1.12E-08(1.2 18.1)	1384, 8.28E-09(1.3 30.8)	1386, 6.78E-09(1.3 26.7)	1388, 9.15E-09(1.2 24.8)
1390, 1.04E-08(1.2 21.1)	1392, 9.85E-09(1.2 21.4)	1394, 1.00E-08(1.3 19.7)	1396, 1.03E-08(1.3 18.5)	1398, 1.11E-08(1.3 22.8)
1400, 1.33E-08(1.7 14.9)	1402, 1.33E-08(1.6 19.2)	1404, 1.46E-08(1.6 9.6)	1406, 1.21E-08(1.7 11.8)	1408, 1.08E-08(1.7 10.1)
1410, 1.26E-08(1.7 8.5)	1412, 1.36E-08(1.6 11.9)	1414, 1.21E-08(1.6 13.8)	1416, 1.07E-08(1.6 11.6)	1418, 1.00E-08(1.7 12.2)
1420, 1.01E-08(1.7 10.8)	1422, 1.13E-08(1.6 14.5)	1424, 1.20E-08(1.6 11.3)	1426, 1.17E-08(1.6 7.1)	1428, 1.07E-08(1.7 9.1)
1430, 1.06E-08(1.6 7.7)	1432, 1.28E-08(1.6 4.9)	1434, 1.26E-08(1.5 6.4)	1436, 1.15E-08(1.6 10.5)	1438, 1.13E-08(1.6 5.0)
1440, 1.04E-08(1.6 5.1)	1442, 1.09E-08(1.6 6.0)	1444, 1.04E-08(1.6 6.3)	1446, 9.76E-09(1.6 13.8)	1448, 9.78E-09(1.6 13.8)
1450, 1.08E-08(1.6 11.6)	1452, 1.09E-08(1.6 8.9)	1454, 9.70E-09(1.5 8.8)	1456, 1.07E-08(1.5 10.4)	1458, 1.05E-08(1.5 11.6)
1460, 1.01E-08(1.5 2.6)	1462, 9.94E-09(1.5 6.7)	1464, 9.69E-09(1.4 7.3)	1466, 1.15E-08(1.4 3.9)	1468, 1.11E-08(1.3 8.5)
1470, 1.11E-08(1.3 9.3)	1472, 1.01E-08(1.3 6.8)	1474, 1.11E-08(1.3 10.5)	1476, 1.13E-08(1.3 4.0)	1478, 1.02E-08(1.3 9.0)
1480, 1.01E-08(1.3 12.4)	1482, 1.10E-08(1.2 8.8)	1484, 1.15E-08(1.2 5.4)	1486, 1.23E-08(1.1 12.5)	1488, 1.09E-08(1.1 21.7)
1490, 1.16E-08(1.2 18.6)	1492, 1.15E-08(1.1 8.6)	1494, 1.12E-08(1.1 4.5)	1496, 1.11E-08(1.1 3.5)	1498, 1.00E-08(1.1 3.3)
1500, 1.05E-08(1.2 2.3)	1502, 1.07E-08(1.1 6.6)	1504, 1.06E-08(1.1 13.6)	1506, 1.10E-08(1.1 6.7)	1508, 1.08E-08(1.0 2.1)
1510E, 1.17E-08(1.0 15.8)	1512E, 1.17E-08(1.0 30.8)	1514E, 1.27E-08(1.0 28.2)	1516E, 1.24E-08(1.0 6.8)	1518E, 1.13E-08(1.0 5.1)
1520E, 1.08E-08(1.0 6)	1522E, 1.09E-08(1.0 7.9)	1524, 1.05E-08(1.0 3.1)	1526, 9.87E-09(1.0 4.3)	1528E, 9.43E-09(1.1 12.5)
1530, 9.70E-09(1.1 13.5)	1532, 8.63E-09(1.2 8.3)	1534, 6.31E-09(1.4 7.0)	1536, 3.70E-09(1.6 15.6)	1538, 1.96E-09(1.6 28.4)
1540, 1.70E-09(1.4 18.8)	1542, 2.21E-09(1.6 16.0)	1544, 3.62E-09(1.6 11.3)	1546, 6.26E-09(1.3 4.7)	1548E, 9.64E-09(1.1 2.3)
1550E, 1.19E-08(7 1.2)	1552E, 1.44E-08(8 4.7)	1554E, 1.48E-08(7 8.8)	1556E, 1.55E-08(7 13.4)	1558E, 1.54E-08(7 3.4)
1560E, 1.46E-08(7 9.9)	1562E, 1.34E-08(8 12.8)	1564E, 1.21E-08(8 16.4)	1566E, 1.09E-08(9 10.8)	1568E, 9.74E-09(9 10.0)
1570E, 9.82E-09(9 9.5)	1572E, 9.83E-09(9 8.0)	1574E, 1.06E-08(8 10.1)	1576E, 1.17E-08(8 20.8)	1578E, 1.07E-08(8 19.5)
1580E, 9.41E-09(9 9.1)	1582E, 9.93E-09(9 10.6)	1584E, 1.02E-08(9 18.9)	1586E, 1.06E-08(8 12.7)	1588E, 1.06E-08(8 18.6)
1590E, 1.04E-08(8 16.6)	1592E, 1.01E-08(8 12.2)	1594E, 1.02E-08(8 9.5)	1596E, 1.05E-08(8 11.6)	1598E, 9.77E-09(8 19.4)
1600E, 1.07E-08(8 16.5)	1602E, 1.16E-08(8 9.5)	1604E, 1.08E-08(8 4.3)	1606E, 1.00E-08(8 3.7)	1608E, 9.28E-09(8 3.6)
1610E, 9.09E-09(8 11.1)	1612E, 9.58E-09(8 11.7)	1614E, 9.79E-09(8 8.7)	1616E, 9.57E-09(8 12.1)	1618E, 9.33E-09(8 7.1)
1620E, 8.67E-09(8 6.4)	1622E, 8.36E-09(8 3.2)	1624E, 8.89E-09(8 6.1)	1626E, 9.01E-09(8 8.1)	1628E, 8.47E-09(8 14.1)
1630E, 8.17E-09(8 15.2)	1632E, 8.41E-09(8 9.0)	1634E, 8.92E-09(8 9.3)	1636E, 9.62E-09(8 13.7)	1638E, 9.91E-09(8 15.3)
1640E, 9.52E-09(8 15.5)	1642E, 9.17E-09(8 14.7)	1644E, 8.61E-09(8 5.1)	1646E, 9.36E-09(7 3.4)	1648E, 1.02E-08(7 5.5)
1650E, 1.12E-08(6 6.9)	1652E, 1.18E-08(6 5.7)	1654E, 1.07E-08(7 10.8)	1656E, 9.47E-09(7 10.9)	1658E, 9.50E-09(7 9.3)
1660E, 1.09E-08(7 13.1)	1662E, 1.20E-08(6 14.3)	1664E, 1.19E-08(6 14.3)	1666E, 1.15E-08(6 14.1)	1668E, 1.13E-08(6 11.3)
1670E, 1.15E-08(6 11.4)	1672E, 1.21E-08(5 13.3)	1674E, 1.33E-08(5 15.0)	1676E, 1.49E-08(5 19.9)	1678E, 1.42E-08(5 28.9)
1680E, 1.19E-08(5 24.1)	1682E, 1.11E-08(5 12.1)	1684E, 1.08E-08(6 10.6)	1686E, 1.03E-08(6 9.9)	1688E, 1.08E-08(6 9.6)
1690E, 1.17E-08(5 12.7)	1692E, 1.14E-08(5 11.2)	1694E, 1.06E-08(5 8.3)	1696E, 1.03E-08(6 6.5)	1698E, 1.00E-08(6 5.7)
1700E, 9.62E-09(6 11.6)	1702E, 9.44E-09(6 25.6)	1704E, 9.49E-09(5 34.4)	1706E, 1.08E-08(5 31.9)	1708E, 1.09E-08(5 18.9)
1710E, 1.06E-08(5 6.4)	1712E, 9.58E-09(6 14.4)	1714E, 8.24E-09(6 17.8)	1716E, 7.71E-09(6 9.5)	1718E, 8.71E-09(6 5.7)
1720E, 1.01E-08(5 10.0)	1722E, 1.04E-08(5 15.5)	1724E, 1.05E-08(5 20.9)	1726E, 1.08E-08(4 17.4)	1728E, 1.09E-08(4 11.2)
1730E, 1.07E-08(4 5.7)	1732E, 1.07E-08(4 8.4)	1734E, 1.04E-08(4 7.4)	1736E, 9.90E-09(4 8.5)	1738E, 9.80E-09(4 9.4)
1740E, 1.06E-08(4 9.1)	1742E, 1.16E-08(4 24.4)	1744E, 1.17E-08(4 26.5)	1746E, 1.08E-08(4 12.8)	1748E, 9.57E-09(4 8.5)
1750E, 8.87E-09(4 16.6)	1752E, 8.95E-09(4 11.3)	1754E, 9.06E-09(4 3.6)	1756E, 9.09E-09(4 8.0)	1758E, 9.44E-09(4 13.1)
1760E, 1.01E-08(4 16.5)	1762E, 1.07E-08(4 15.5)	1764E, 1.13E-08(3 12.5)	1766E, 1.23E-08(3 12.2)	1768E, 1.26E-08(3 11.3)
1770E, 1.15E-08(3 7.9)	1772E, 1.03E-08(3 7.5)	1774E, 9.82E-09(3 8.5)	1776E, 9.66E-09(3 10.7)	1778E, 9.76E-09(3 13.7)
1780E, 1.00E-08(3 10.6)	1782E, 1.02E-08(3 4.8)	1784E, 1.04E-08(3 11.5)	1786E, 1.00E-08(3 14.2)	1788E, 9.37E-09(3 10.9)
1790E, 8.94E-09(4 7.5)	1792E, 8.61E-09(4 10.5)	1794E, 8.12E-09(4 15.4)	1796E, 7.87E-09(4 13.5)	1798E, 8.28E-09(4 6.5)
1800E, 9.18E-09(3 18.2)	1802E, 9.75E-09(3 23.8)	1804E, 9.51E-09(3 17.5)	1806E, 8.95E-09(3 9.1)	1808E, 8.72E-09(3 7.7)
1810E, 8.94E-09(3 10.8)	1812E, 9.33E-09(3 11.7)	1814E, 9.83E-09(3 10.1)	1816E, 9.95E-09(3 8.7)	1818E, 9.35E-09(3 10.7)
1820E, 8.40E-09(3 21.0)	1822E, 7.67E-09(3 33.4)	1824E, 7.31E-09(4 39.3)	1826E, 7.46E-09(4 37.2)	0. 0. (0.0 0.0)
1800E, 9.17E-09(3 15.5)	1805E, 9.27E-09(3 13.2)	1810E, 9.01E-09(3 8.7)	1815E, 9.87E-09(3 6.2)	1820E, 8.49E-09(3 20.3)
1825E, 7.72E-09(3 37.0)	1830E, 8.79E-09(3 22.7)	1835E, 8.75E-09(3 7.0)	1840E, 8.92E-09(3 6.6)	1845E, 9.60E-09(2 20.3)
1850E, 1.08E-08(2 27.9)	1855E, 1.01E-08(2 30.7)	1860E, 1.09E-08(2 42.7)	1865E, 1.02E-08(2 13.5)	1870E, 1.16E-08(2 5.9)
135, -1.80(1.4 13.2)	139, -1.19(1.4 21.9)	148, -1.21(1.2 9.7)	154, -.99(1.1 12.5)	161E, -1.06(8 9.4)
166E, -1.21(6 13.0)	172E, -1.10(5 7.0)	181E, -1.02(3 9.7)	192, 0.00(0.0 0.0)	204, 0.00(0.0 0.0)
219, 0.00(0.0 0.0)	245, 0.00(0.0 0.0)	280, 0.00(0.0 0.0)	360, 0.00(0.0 0.0)	0, 0.00(0.0 0.0)

X,Y(MM) -7.1 8.5 \$L4-100 25 SCANS, T= 231 ZET PUP WT .7,SCALE 1.41

X,Y(MM) -7.1 8.5 \$L4-101 21 SCANS, T= 28 ZET PUP WT .7,SCALE 1.00

X,Y(MM) -7.1 8.5 \$L4-102 18 SCANS, T= 31 ZET PUP WT .7,SCALE .83

R = 1.70

R = 4.00:

X, Y (MM) 8.3 -9.4 SL4- 74 15 SCANS. T= 78 HD 68092 WT .6 SCALE .93

R = 4.00:

P. 0 10

HD 68273

GAM VEL

HD 68273

LAMBDA, F (WT, SIG)	F = AVE FLUX FROM LAM-DEL/2 TO LAM+DEL/2				
1310, 1.64E-08(1.1 .8)	1312, 1.81E-08(1.1 3.5)	1314, 1.87E-08(1.1 .1)	1316, 2.14E-08(1.1 17.6)	1318, 2.15E-08(1.1 6.4)	
1320, 2.03E-08(1.2 9.3)	1322, 1.96E-08(1.3 5.0)	1324, 1.92E-08(1.2 4.1)	1326, 1.71E-08(1.2 2.6)	1328, 1.82E-08(1.3 12.6)	
1330, 2.86E-08(1.3 6.6)	1332, 3.11E-08(1.2 7.3)	1334, 2.77E-08(1.3 12.8)	1336, 2.59E-08(1.3 10.8)	1338, 2.13E-08(1.3 3.3)	
1340, 2.26E-08(1.3 5.1)	1342, 1.85E-08(1.3 9.7)	1344, 1.84E-08(1.2 24.5)	1346, 1.84E-08(1.2 17.0)	1348, 1.52E-08(1.2 26.5)	
1350, 1.46E-08(1.2 24.5)	1352, 1.65E-08(1.3 18.6)	1354, 1.48E-08(1.3 14.4)	1356, 1.54E-08(1.3 18.0)	1358, 1.21E-08(1.3 18.3)	
1360, 1.05E-08(1.4 18.8)	1362, 1.36E-08(1.6 17.2)	1364, 1.60E-08(1.7 11.3)	1366, 1.74E-08(1.7 13.2)	1368, 1.68E-08(1.7 9.3)	
1370, 1.51E-08(1.7 13.7)	1372, 1.45E-08(1.7 15.1)	1374, 1.59E-08(1.6 15.7)	1376, 1.67E-08(1.6 11.0)	1378, 1.64E-08(1.6 13.8)	
1380, 1.59E-08(1.6 15.2)	1382, 1.20E-08(1.6 24.4)	1384, 7.75E-09(1.6 34.3)	1386, 6.18E-09(1.3 47.2)	1388, 6.62E-09(1.4 36.8)	
1390, 9.55E-09(1.6 20.7)	1392, 1.02E-08(1.5 15.7)	1394, 7.75E-09(1.5 18.8)	1396, 7.54E-09(1.5 32.1)	1398, 1.14E-08(1.5 22.5)	
1400, 1.69E-08(1.5 20.3)	1402, 2.10E-08(1.4 19.9)	1404, 2.23E-08(1.4 14.7)	1406, 1.95E-08(1.4 15.4)	1408, 1.84E-08(1.4 19.7)	
1410, 1.77E-08(1.4 19.2)	1412, 1.67E-08(1.4 17.6)	1414, 1.58E-08(1.4 15.7)	1416, 1.49E-08(1.4 12.9)	1418, 1.44E-08(1.4 10.8)	
1420, 1.39E-08(1.4 16.3)	1422, 1.43E-08(1.4 12.4)	1424, 1.57E-08(1.4 14.3)	1426, 1.53E-08(1.4 20.0)	1428, 1.52E-08(1.4 13.4)	
1430, 1.62E-08(1.3 3.3)	1432, 1.61E-08(1.3 3.1)	1434, 1.58E-08(1.3 1.5)	1436, 1.63E-08(1.2 3.5)	1438, 1.66E-08(1.2 2.2)	
1440, 1.69E-08(1.2 1.7)	1442, 1.65E-08(1.2 .9)	1444, 1.52E-08(1.2 2.4)	1446, 1.49E-08(1.2 3.8)	1448, 1.50E-08(1.2 2.5)	
1450, 1.44E-08(1.2 6.2)	1452, 1.50E-08(1.2 14.4)	1454, 1.34E-08(1.2 1.0)	1456, 1.38E-08(1.2 9.4)	1458, 1.39E-08(1.1 4.5)	
1460, 1.50E-08(1.1 13.4)	1462, 1.40E-08(1.1 5.6)	1464, 1.48E-08(1.1 5.7)	1466, 1.46E-08(1.1 10.3)	1468, 1.52E-08(1.1 11.0)	
1470, 1.37E-08(1.1 14.2)	1472, 1.40E-08(1.0 6.2)	1474, 1.54E-08(1.0 9.7)	1476, 1.90E-08(9.32.2)	1478, 1.65E-08(9.23.6)	
1480, 1.53E-08(9.14.3)	1482, 1.63E-08(9.13.8)	1484, 1.66E-08(9.15.5)	1486, 1.67E-08(9.15.4)	1488, 1.63E-08(9.24.4)	
1490, 1.60E-08(8.26.5)	1492, 1.55E-08(8.20.4)	1494, 1.56E-08(8.24.8)	1496, 1.58E-08(8.33.1)	1498, 1.60E-08(8.21.3)	
1500, 1.52E-08(8.9.9)	1502, 1.53E-08(8.9.3)	1504, 1.66E-08(8.22.5)	1506, 1.72E-08(7.28.0)	1508, 1.68E-08(7.18.6)	
1510, 1.65E-08(7.23.3)	1512, 1.64E-08(7.25.0)	1514, 1.57E-08(7.17.6)	1516, 1.44E-08(8.5.7)	1518, 1.47E-08(8.11.4)	
1520, 1.48E-08(7.23.7)	1522, 1.55E-08(7.23.6)	1524, 1.65E-08(7.31.6)	1526, 1.58E-08(7.39.1)	1528, 1.60E-08(7.37.3)	
1530E 1.47E-08(7.24.6)	1532E 1.47E-08(7.37.2)	1534E 1.53E-08(7.27.0)	1536, 1.41E-08(7.19.6)	1538, 1.16E-08(8.13.3)	
1540, 8.69E-09(1.0 11.8)	1542, 6.45E-09(1.1 6.7)	1544, 6.19E-09(1.1 1.0)	1546, 8.04E-09(1.0 6.4)	1548, 1.15E-08(8.1.9)	
1550E 1.66E-08(6.14.9)	1552E 2.26E-08(5.28.6)	1554E 2.09E-08(4.23.1)	1556E 1.98E-08(4.29.1)	1558E 1.98E-08(5.34.6)	
1560E 1.80E-08(5.26.4)	1562E 1.85E-08(5.34.1)	1564E 1.85E-08(5.32.5)	1566E 1.70E-08(5.19.7)	1568E 1.61E-08(5.5.6)	
1570E 1.55E-08(5.3.5)	1572E 1.67E-08(5.14.6)	1574E 1.64E-08(5.13.6)	1576E 1.51E-08(5.7.9)	1578E 1.35E-08(6.17.3)	
1580E 1.23E-08(6.25.7)	1582E 1.35E-08(6.25.7)	1584E 1.44E-08(6.17.4)	1586E 1.38E-08(5.7.7)	1588E 1.35E-08(5.13.3)	
1590E 1.35E-08(5.17.8)	1592E 1.31E-08(5.18.2)	1594E 1.38E-08(5.15.6)	1596E 1.43E-08(5.7.5)	1598E 1.42E-08(5.15.5)	
1600E 1.44E-08(5.40.5)	1602E 1.40E-08(5.36.4)	1604E 1.36E-08(5.14.4)	1606E 1.35E-08(5.6.6)	1608E 1.41E-08(5.10.7)	
1610E 1.38E-08(5.10.9)	1612E 1.36E-08(5.13.3)	1614E 1.40E-08(5.15.9)	1616E 1.31E-08(5.16.4)	1618E 1.31E-08(5.9.6)	
1620E 1.28E-08(5.5.5)	1622E 1.24E-08(5.9.3)	1624E 1.26E-08(5.26.0)	1626E 1.18E-08(5.21.6)	1628E 1.11E-08(5.14.1)	
1630E 1.12E-08(5.19.6)	1632E 1.17E-08(5.21.9)	1634E 1.11E-08(5.13.9)	1636E 1.15E-08(5.8.6)	1638E 1.24E-08(5.7.1)	
1640E 1.22E-08(5.7.3)	1642E 1.22E-08(5.15.0)	1644E 1.27E-08(5.21.9)	1646E 1.33E-08(4.16.2)	1648E 1.30E-08(4.8.7)	
1650E 1.52E-08(5.11.5)	1652E 1.10E-08(5.15.9)	1654E 1.07E-08(5.4.7)	1656E 1.13E-08(5.15.2)	1658E 1.14E-08(5.23.3)	
1660E 1.06E-08(5.14.8)	1662E 9.82E-09(5.8)	1664E 9.66E-09(5.15.1)	1666E 9.94E-09(5.16.9)	1668E 1.01E-08(5.6.8)	
1670E 1.03E-08(5.7)	1672E 1.01E-08(5.2.0)	1674E 9.72E-09(5.1.8)	1676E 1.01E-08(5.2.7)	1678E 1.06E-08(5.11.3)	
1680E 9.65E-09(5.17.1)	1682E 8.62E-09(5.9.4)	1684E 8.65E-09(5.3.3)	1686E 9.30E-09(5.10.3)	1688E 9.80E-09(5.13.5)	
1690E 9.74E-09(5.4.8)	1692E 9.46E-09(5.6)	1694E 8.95E-09(5.3.0)	1696E 8.72E-09(5.9.9)	1698E 8.99E-09(5.11.7)	
1700E 9.58E-09(5.5.9)	1702E 1.02E-08(4.2.5)	1704E 1.04E-08(4.8.0)	1706E 1.00E-08(4.8.0)	1708E 9.22E-09(5.2.3)	
1710E 8.72E-09(5.2.9)	1712E 8.88E-09(5.3.0)	1714E 9.23E-09(4.2.7)	1716E 9.16E-09(5.3.7)	1718E 8.39E-09(5.8.0)	
1720E 7.30E-09(5.12.7)	1722E 6.93E-09(5.9.0)	1724E 7.37E-09(5.4.2)	1726E 7.86E-09(5.7.1)	1728E 8.18E-09(4.8.8)	
1730E 6.63E-09(4.5.6)	1732E 8.85E-09(4.9)	1734E 8.46E-09(4.4.5)	1736E 7.71E-09(4.2.9)	1738E 6.99E-09(5.3.8)	
1740E 6.66E-09(5.8.5)	1742E 6.73E-09(5.13.7)	1744E 7.02E-09(5.19.8)	1746E 7.09E-09(4.20.6)	1748E 6.95E-09(4.16.6)	
1750E 7.08E-09(4.12.6)	1752E 7.49E-09(4.9.4)	1754E 7.83E-09(4.6.0)	1756E 8.02E-09(4.4.7)	1758E 8.29E-09(3.9.6)	
1760E 8.55E-09(3.17.2)	1762E 8.74E-09(3.23.2)	1764E 8.69E-09(3.28.5)	1766E 8.29E-09(3.33.3)	1768E 7.73E-09(3.34.8)	
1770E 7.49E-09(4.33.6)	1772E 7.39E-09(4.31.0)	1774E 6.96E-09(4.29.5)	1776E 6.31E-09(4.32.0)	1778E 6.10E-09(4.36.1)	
1780E 6.37E-09(4.34.5)	1782E 6.82E-09(4.24.2)	1784E 7.06E-09(4.11.8)	1786E 7.12E-09(3.9.2)	1788E 7.00E-09(3.16.8)	
1790E 6.73E-09(4.24.8)	1792E 6.49E-09(4.28.3)	1794E 6.35E-09(4.29.7)	1796E 6.30E-09(3.30.5)	1798E 6.14E-09(3.31.9)	
135, -1.49(1.4 15.0)	139, -1.30(1.5 26.4)	148, -1.59(9.17.2)	154, -1.51(7.23.2)	161E, -1.39(5.15.3)	
166E, -1.17(5.6.2)	172E, -.89(4.5.9)	181, 0.00(0.0 0.0)	192, 0.00(0.0 0.0)	204, 0.00(0.0 0.0)	
219, 0.00(0.0 0.0)	245, 0.00(0.0 0.0)	280, 0.00(0.0 0.0)	360, 0.00(0.0 0.0)	0, 0.00(0.0 0.0)	

X,Y(MM) 16.5 -9.8 SL4- 73 19 SCANS, T= 251 GAM VEL WT .7, SCALE 1.20  
 X,Y(MM) 6.5 -9.8 SL4- 74 24 SCANS, T= 78 GAM VEL WT .7, SCALE 1.14  
 X,Y(MM) 6.5 -9.8 SL4- 75 24 SCANS, T= 27 GAM VEL WT .7, SCALE .86

R = 1.41

LAMBDA F (W.T. SIG)				F = AVE FLUX FROM LAM-DEL/2 TO LAM-DEL/2															
1390.0	0	(0.0	0.0)	1392.0	0	(0.0	0.0)	1394.0	0	(0.0	0.0)	1396.0	7.27E-10	(6.0	0.0)	1398.0	8.21E-10	(6.0	0.0)
1400.0	1.04E-09	(6.0	0.0)	1402.0	1.01E-09	(6.0	0.0)	1404.0	1.20E-09	(6.0	0.0)	1406.0	6.79E-10	(6.0	0.0)	1408.0	9.21E-10	(6.0	0.0)
1410.0	8.36E-10	(6.0	0.0)	1412.0	1.13E-09	(6.0	0.0)	1414.0	7.12E-10	(6.0	0.0)	1416.0	8.56E-10	(6.0	0.0)	1418.0	8.89E-10	(6.0	0.0)
1420.0	2.18E-10	(6.0	0.0)	1422.0	8.00E-10	(6.0	0.0)	1424.0	8.96E-10	(6.0	0.0)	1426.0	7.52E-10	(6.0	0.0)	1428.0	6.58E-10	(6.0	0.0)
1430.0	7.16E-10	(6.0	0.0)	1432.0	1.00E-09	(6.0	0.0)	1434.0	1.02E-09	(6.0	0.0)	1436.0	6.99E-10	(6.0	0.0)	1438.0	6.94E-10	(6.0	0.0)
1440.0	9.60E-10	(6.0	0.0)	1442.0	9.44E-10	(6.0	0.0)	1444.0	1.02E-09	(6.0	0.0)	1446.0	9.47E-10	(6.0	0.0)	1448.0	7.53E-10	(6.0	0.0)
1450.0	9.95E-10	(6.0	0.0)	1452.0	7.88E-10	(6.0	0.0)	1454.0	8.07E-10	(6.0	0.0)	1456.0	1.03E-09	(6.0	0.0)	1458.0	1.07E-09	(6.0	0.0)
1460.0	9.35E-10	(6.0	0.0)	1462.0	8.26E-10	(6.0	0.0)	1464.0	8.16E-10	(6.0	0.0)	1466.0	8.18E-10	(6.0	0.0)	1468.0	7.74E-10	(6.0	0.0)
1470.0	8.97E-10	(6.0	0.0)	1472.0	9.47E-10	(6.0	0.0)	1474.0	9.24E-10	(6.0	0.0)	1476.0	8.83E-10	(6.0	0.0)	1478.0	8.95E-10	(6.0	0.0)
1480.0	8.17E-10	(6.0	0.0)	1482.0	6.65E-10	(6.0	0.0)	1484.0	7.59E-10	(6.0	0.0)	1486.0	6.89E-10	(6.0	0.0)	1488.0	8.30E-10	(6.1	7.7)
1490.0	8.26E-10	(6.3	3.9)	1492.0	7.43E-10	(7.1	13.1)	1494.0	8.07E-10	(7.1	16.7)	1496.0	7.27E-10	(7.2	20.0)	1498.0	8.31E-10	(7.7	15.0)
1500.0	8.73E-10	(8.1	10.6)	1502.0	7.20E-10	(8.1	18.5)	1504.0	7.57E-10	(8.1	8.8)	1506.0	7.90E-10	(8.1	14.6)	1508.0	8.07E-10	(8.1	10.9)
1510.0	8.26E-10	(8.4	7.7)	1512.0	6.75E-10	(9.1	10.7)	1514.0	7.83E-10	(9.1	13.7)	1516.0	9.66E-10	(10.1	10.9)	1518.0	8.42E-10	(10.1	12.4)
1520.0	6.73E-10	(1.1	25.7)	1522.0	7.21E-10	(1.1	26.8)	1524.0	7.65E-10	(1.1	13.9)	1526.0	6.78E-10	(1.2	17.2)	1528.0	7.57E-10	(1.1	13.0)
1530.0	7.47E-10	(1.2	20.1)	1532.0	5.92E-10	(1.1	17.2)	1534.0	6.16E-10	(1.1	17.2)	1536.0	5.98E-10	(1.1	14.6)	1538.0	6.31E-10	(1.1	14.5)
1540.0	7.15E-10	(1.3	16.5)	1542.0	6.41E-10	(1.1	18.8)	1544.0	6.16E-10	(1.3	16.4)	1546.0	5.58E-10	(1.3	10.7)	1548.0	4.00E-10	(1.3	32.0)
1550.0	7.48E-10	(1.2	25.5)	1552.0	6.41E-10	(1.1	18.8)	1554.0	5.44E-10	(1.1	12.2)	1556.0	5.99E-10	(1.1	5.9)	1558.0	5.51E-10	(1.2	5.6)
1560.0	5.09E-10	(1.2	16.5)	1562.0	5.68E-10	(1.3	23.9)	1564.0	6.02E-10	(1.3	25.4)	1566.0	5.37E-10	(1.4	31.0)	1568.0	5.11E-10	(1.2	31.6)
1570.0	5.29E-10	(1.2	16.3)	1572.0	5.29E-10	(1.2	21.5)	1574.0	5.70E-10	(1.3	19.4)	1576.0	6.17E-10	(1.4	25.4)	1578.0	6.35E-10	(1.4	17.5)
1580.0	6.93E-10	(1.5	22.1)	1582.0	6.50E-10	(1.4	21.3)	1584.0	6.47E-10	(1.4	23.7)	1586.0	7.52E-10	(1.5	17.4)	1588.0	7.74E-10	(1.6	11.4)
1590.0	7.04E-10	(1.5	8.4)	1592.0	6.35E-10	(1.4	2.0)	1594.0	6.69E-10	(1.4	3.4)	1596.0	7.91E-10	(1.6	5.4)	1598.0	7.99E-10	(1.6	3.8)
1600.0	7.47E-10	(1.6	1.1)	1602.0	7.22E-10	(1.5	7.7)	1604.0	7.00E-10	(1.5	15.8)	1606.0	6.07E-10	(1.5	14.6)	1608.0	5.90E-10	(1.5	14.5)
1610.0	7.83E-10	(1.6	1.1)	1612.0	6.59E-10	(1.5	7.7)	1614.0	8.16E-10	(1.7	9.1)	1616.0	7.32E-10	(1.5	16.6)	1618.0	5.86E-10	(1.3	17.8)
1620.0	5.81E-10	(1.3	8.0)	1622.0	5.57E-10	(1.4	6.9)	1624.0	6.99E-10	(1.5	9.1)	1626.0	6.90E-10	(1.5	5.4)	1628.0	7.72E-10	(1.5	2.5)
1630.0	6.96E-10	(1.5	8.1)	1632.0	7.30E-10	(1.5	11.4)	1634.0	7.09E-10	(1.5	11.9)	1636.0	6.74E-10	(1.6	9.6)	1638.0	7.11E-10	(1.6	5.0)
1640.0	7.38E-10	(1.6	7.3)	1642.0	6.73E-10	(1.6	10.7)	1644.0	6.68E-10	(1.5	14.1)	1646.0	7.59E-10	(1.6	16.6)	1648.0	8.04E-10	(1.6	18.0)
1650.0	7.88E-10	(1.7	11.4)	1652.0	7.90E-10	(1.7	4.3)	1654.0	8.14E-10	(1.7	4.3)	1656.0	8.35E-10	(1.7	9.4)	1658.0	8.93E-10	(1.7	11.6)
1660.0	8.00E-10	(1.7	7.5)	1662.0	7.80E-10	(1.7	6.0)	1664.0	7.89E-10	(1.7	10.5)	1666.0	8.05E-10	(1.7	14.6)	1668.0	7.93E-10	(1.7	14.7)
1670.0	7.48E-10	(1.1	13.1)	1672.0	7.22E-10	(1.7	14.8)	1674.0	7.23E-10	(1.6	18.2)	1676.0	7.33E-10	(1.7	17.5)	1678.0	7.64E-10	(1.7	14.4)
1680.0	7.48E-10	(1.1	13.1)	1682.0	8.26E-10	(1.1	11.8)	1684.0	8.26E-10	(1.1	11.8)	1686.0	8.26E-10	(1.1	11.8)	1688.0	8.26E-10	(1.1	11.8)
1690.0	8.44E-10	(2.0	11.0)	1692.0	6.31E-10	(1.2	10.6)	1694.0	8.15E-10	(2.0	13.0)	1696.0	8.14E-10	(1.9	11.8)	1698.0	8.20E-10	(1.9	10.0)
1700.0	8.01E-10	(1.8	5.8)	1702.0	7.80E-10	(1.8	10.7)	1704.0	7.82E-10	(1.8	8.9)	1706.0	7.74E-10	(1.8	6.5)	1708.0	7.20E-10	(1.8	6.2)
1710.0	6.68E-10	(1.1	9.8)	1712.0	6.57E-10	(1.9	5.0)	1714.0	6.70E-10	(1.9	3.8)	1716.0	6.84E-10	(1.8	5.2)	1718.0	6.95E-10	(1.7	11.1)
1720.0	7.01E-10	(1.7	13.2)	1722.0	7.10E-10	(1.8	11.3)	1724.0	6.96E-10	(1.8	5.9)	1726.0	6.76E-10	(1.9	4.6)	1728.0	6.73E-10	(1.9	5.9)
1730.0	6.94E-10	(1.9	6.1)	1732.0	7.03E-10	(1.8	8.2)	1734.0	7.00E-10	(1.9	10.2)	1736.0	6.93E-10	(1.8	10.2)	1738.0	6.83E-10	(1.8	7.8)
1740.0	6.78E-10	(1.9	4.1)	1742.0	6.93E-10	(2.0	2.3)	1744.0	7.19E-10	(2.1	8.0)	1746.0	7.01E-10	(2.1	10.1)	1748.0	6.44E-10	(2.1	9.4)
1750.0	6.78E-10	(2.0	2.8)	1752.0	6.09E-10	(2.0	4.4)	1754.0	6.16E-10	(1.9	9.3)	1756.0	6.07E-10	(1.9	12.1)	1758.0	6.44E-10	(1.9	14.5)
1760.0	6.28E-10	(1.6	10.8)	1762.0	6.31E-10	(1.7	11.8)	1764.0	6.40E-10	(2.0	11.7)	1766.0	6.55E-10	(2.0	9.9)	1768.0	6.61E-10	(1.9	9.6)
1770.0	6.47E-10	(2.0	4.6)	1772.0	6.41E-10	(2.0	5.7)	1774.0	6.56E-10	(2.0	10.2)	1776.0	6.65E-10	(2.0	6.7)	1778.0	6.47E-10	(2.0	9.2)
1780.0	6.26E-10	(1.9	5.1)	1782.0	6.20E-10	(1.9	7.5)	1784.0	6.29E-10	(2.0	5.9)	1786.0	6.31E-10	(2.0	6.1)	1788.0	6.19E-10	(2.0	4.1)
1790.0	6.04E-10	(2.2	11.6)	1792.0	6.04E-10	(2.0	11.0)	1794.0	6.15E-10	(2.0	9.3)	1796.0	6.17E-10	(2.1	8.1)	1798.0	6.12E-10	(2.2	9.9)
1800.0	6.13E-10	(2.2	11.3)	1802.0	6.24E-10	(2.2	9.2)	1804.0	6.51E-10	(2.1	10.6)	1806.0	6.66E-10	(2.1	15.1)	1808.0	6.63E-10	(2.1	13.2)
1810.0	6.65E-10	(2.1	8.0)	1812.0	6.85E-10	(2.1	6.1)	1814.0	7.12E-10	(2.1	8.1)	1816.0	7.25E-10	(2.0	9.7)	1818.0	7.14E-10	(2.0	8.2)
1820.0	6.89E-10	(2.1	6.2)	1822.0	6.49E-10	(2.1	7.5)	1824.0	6.29E-10	(2.1	7.8)	1826.0	6.35E-10	(2.1	5.4)	1828.0	0	(0.0	0.0)
1800.0	6.16E-10	(2.2	10.2)	1805.0	6.56E-10	(2.2	11.5)	1810.0	6.69E-10	(2.2	8.0)	1815.0	7.14E-10	(2.2	8.0)	1820.0	6.89E-10	(2.2	6.1)
1825.0	6.29E-10	(2.1	6.4)	1830.0	6.73E-10	(2.0	10.8)	1835.0	6.87E-10	(2.0	12.4)	1840.0	6.73E-10	(2.0	5.0)	1845.0	6.85E-10	(2.0	4.7)
1850.0	6.36E-10	(2.0	7.7)	1855.0	6.01E-10	(2.0	3.8)	1860.0	6.34E-10	(2.0	5.3)	1865.0	6.10E-10	(2.0	9.8)	1870.0	5.74E-10	(2.0	11.2)
1875.0	5.93E-10	(2.0	8.2)	1880.0	6.31E-10	(2.0	6.1)	1885.0	6.16E-10	(1.9	6.6)	1890.0	5.84E-10	(1.9	4.6)	1895.0	5.60E-10	(1.9	5.1)
1900.0	5.59E-10	(1.9	4.9)	1905.0	5.43E-10	(1.9	5.5)	1910.0	5.34E-10	(2.0	9.0)	1915.0	5.31E-10	(2.0	11.2)	1920.0	5.46E-10	(2.0	9.6)
1925.0	5.05E-10	(1.9	10.5)	1930.0	5.34E-10	(1.1	11.2)	1935.0	5.07E-10	(1.9	7.0)	1940.0	5.98E-10	(1.9	12.9)	1945.0	5.88E-10	(1.9	12.0)
1950.0	5.05E-10	(1.9	9.9)	1955.0	5.05E-10	(1.9	9.9)	1960.0	5.05E-10	(1.9	9.9)	1965.0	5.05E-10	(1.9	9.9)	1970.0	5.05E-10	(1.9	9.9)
1975.0	5.68E-10	(1.8	11.5)	1980.0	5.68E-10	(1.8	10.2)	1985.0	5.63E-10	(1.7	3.4)	1990.0	5.77E-10	(1.7	6.9)	1995.0	5.96E-10	(1.7	4.4)
2000.0	5.88E-10	(1.7	3.7)	2005.0	5.70E-10	(1.6	3.5)	2010.0	5.67E-10	(1.6	4.4)	2015.0	5.74E-10	(1.6	9.2)	2020.0	5.75E-10	(1.6	11.1)
2025.0	5.79E-10	(1.6	9.9)	2030.0	5.81E-10	(1.6	6.0)	2035.0	5.67E-10	(1.6	1.6)	2040.0	5.40E-10	(1.6	2.0)	2045.0	5.31E-10	(1.6	4.8)
2050.0	5.39E-10	(1.6	6.4)	2055.0	5.41E-10	(1.5	5.6)	2060.0	5.36E-10	(1.5	6.1)	2065.0	5.31E-10	(1.5	10.4)	2070.0	5.31E-10	(1.5	15.4)
2075.0	5.34E-10	(1.5	13.8)	2080.0	5.27E-10	(1.4	8.4)	2085.0	5.17E-10	(1.5	7.0)	2090.0	4.97E-10	(1.5	5.3)	2095.0	4.81E-10	(1.4	4.1)
2100.0	4.84E-10	(1.4	5.9)	2105.0	5.09E-10	(1.4	10.1)	2110.0	5.11E-10	(1.4	10.4)	2115.0	4.97E-10	(1.4	8.7)	2120.0	4.72E-10	(1.4	7.4)
2125.0	4.60E-10	(1.3	9.8)	2130.0	4.69E-10	(1.3	10.9)	2135.0	4.85E-10	(1.3	11.1)	2140.0	4.88E-10	(1.3	11.9)	2145.0	4.78E-10	(1.3	13.9)
2150.0	4.70E-10	(1.3	11.9)	2155.0	4.63E-10	(1.3	10.9)	2160.0	4.58E-10	(1.3	11.0)	2165.0	4.59E-10	(1.3	12.8)	2170.0	4.58E-10	(1.2	12.0)
2175.0	4.61E-10	(1.3	8.1)	2180.0	4.66E-10	(1.3	4.2)	2185.0	4.66E-10	(1.3	2.7)	2190.0	4.46E-10	(1.3	2.9)	2195.0			

 $R = 0.76$

LAMBDA	F	( WT	SIG)	F = AVE FLUX	FROM LAM-DEL/2 TO LAM-DEL/2	LAMBDA	F	( WT	SIG)	F = AVE FLUX	FROM LAM-DEL/2 TO LAM-DEL/2
1520	2.02E-10	( 4	0.0)	1522	1.83E-10	( 6	0.0)	1524	2.15E-10	( 4	0.0)
1530	1.81E-10	( 5	0.0)	1532	1.61E-10	( 4	0.0)	1534	1.52E-10	( 4	0.0)
1540	1.76E-10	( 4	0.0)	1542U	1.24E-10	( 4	0.0)	1544U	1.38E-10	( 4	0.0)
1550	2.11E-10	( 7	0.0)	1552	1.78E-10	( 7	0.0)	1554	1.79E-10	( 7	0.0)
1560	1.69E-10	( 6	0.0)	1562	1.73E-10	( 7	0.0)	1564	2.12E-10	( 7	0.0)
1570	1.81E-10	( 7	0.0)	1572	1.80E-10	( 7	0.0)	1574	1.87E-10	( 7	0.0)
1580	2.14E-10	( 7	0.0)	1582	2.06E-10	( 7	0.0)	1584	2.25E-10	( 7	0.0)
1590	2.27E-10	( 7	0.0)	1592	2.32E-10	( 7	0.0)	1594	2.39E-10	( 7	0.0)
1600	2.55E-10	( 7	0.0)	1602	2.52E-10	( 7	0.0)	1604	2.48E-10	( 7	0.0)
1610	2.33E-10	( 7	0.0)	1612	2.22E-10	( 7	0.0)	1614	1.98E-10	( 7	0.0)
1620	1.97E-10	( 7	0.0)	1622	2.09E-10	( 7	0.0)	1624	2.30E-10	( 7	0.0)
1630	1.89E-10	( 7	0.0)	1632	1.89E-10	( 7	0.0)	1634	2.22E-10	( 7	0.0)
1640	2.59E-10	( 7	0.0)	1642	2.87E-10	( 7	0.0)	1644	2.75E-10	( 7	0.0)
1650	2.69E-10	( 6	0.0)	1652	2.79E-10	( 6	0.0)	1654	3.04E-10	( 6	0.0)
1660	2.52E-10	( 6	0.0)	1662	2.50E-10	( 6	0.0)	1664	2.53E-10	( 6	0.0)
1670	2.52E-10	( 6	0.0)	1672	2.44E-10	( 6	0.0)	1674	3.14E-10	( 6	0.0)
1680	2.40E-10	( 6	0.0)	1682	2.69E-10	( 5	0.0)	1684	2.76E-10	( 5	0.0)
1690	2.32E-10	( 5	0.0)	1692	2.47E-10	( 5	0.0)	1694	2.57E-10	( 5	0.0)
1700	2.33E-10	( 5	0.0)	1702	2.40E-10	( 5	2.0)	1704	2.50E-10	( 5	2.0)
1710	2.64E-10	( 6	1.7)	1712	2.80E-10	( 6	8.6)	1714	2.78E-10	( 6	11.0)
1720	3.09E-10	( 6	12.3)	1722	3.04E-10	( 6	15.2)	1724	2.89E-10	( 6	14.6)
1730	2.81E-10	( 7	8.7)	1732	2.71E-10	( 7	7.4)	1734	2.52E-10	( 7	3.7)
1740	2.81E-10	( 7	8.7)	1742	2.65E-10	( 7	7.4)	1744	2.54E-10	( 7	3.7)
1750	2.31E-10	( 10	1.0)	1752	2.45E-10	( 10	1.0)	1754	2.72E-10	( 10	1.6)
1760	2.44E-10	( 10	1.0)	1762	2.34E-10	( 10	7.7)	1764	2.32E-10	( 10	8.5)
1770	2.28E-10	( 10	1.9)	1772	2.47E-10	( 10	9.1)	1774	2.57E-10	( 10	3.5)
1780	2.26E-10	( 9	7.2)	1782	2.06E-10	( 9	3.2)	1784	1.89E-10	( 9	3.5)
1790	2.14E-10	( 10	7.0)	1792	2.25E-10	( 10	7.9)	1794	2.28E-10	( 10	5.3)
1800	2.35E-10	( 10	10.5)	1802	2.36E-10	( 9	19.5)	1804	2.30E-10	( 8	25.4)
1810	2.35E-10	( 9	12.7)	1812	2.27E-10	( 10	10.4)	1814	2.31E-10	( 11	13.3)
1820	2.24E-10	( 9	18.6)	1822	2.18E-10	( 9	19.8)	1824	2.05E-10	( 9	18.9)
1800	2.34E-10	( 11	2.1)	1805	2.25E-10	( 9	24.5)	1810	2.22E-10	( 9	13.9)
1825	2.02E-10	( 10	19.2)	1830	2.16E-10	( 11	18.3)	1835	2.15E-10	( 11	14.4)
1850	2.25E-10	( 12	9.6)	1855	2.14E-10						

R = 0.68

LAMBDA, F (WT, SIG)	F = AVE FLUX FROM LAM-DEL/2 TO LAM+DEL/2		
1450U 2.24E-10(1.0 0.0)	1452U 1.94E-10(1.0 0.0)	1454U 1.93E-10(1.0 0.0)	1456U 2.43E-10(1.0 0.0)
1460U 3.61E-10(1.0 0.0)	1462U 2.65E-10(1.0 0.0)	1464U 2.90E-10(1.0 0.0)	1466U 2.87E-10(1.0 0.0)
1470U 3.20E-10(1.0 0.0)	1472U 2.54E-10(1.0 0.0)	1474U 2.30E-10(1.0 0.0)	1476U 2.60E-10(1.0 0.0)
1480U 2.91E-10(1.0 0.0)	1482U 3.47E-10(1.0 0.0)	1484U 3.28E-10(1.0 0.0)	1486U 2.58E-10(1.0 0.0)
1490U 2.50E-10(1.0 0.0)	1492U 2.44E-10(1.0 0.0)	1494U 2.33E-10(1.0 0.0)	1496U 2.03E-10(1.0 0.0)
1500U 2.54E-10(1.0 0.0)	1502U 2.34E-10(1.0 0.0)	1504U 2.71E-10(1.0 0.0)	1506U 2.61E-10(1.0 0.0)
1510U 2.46E-10(1.0 0.0)	1512U 3.12E-10(1.0 0.0)	1514U 3.08E-10(1.0 0.0)	1516U 2.43E-10(1.0 0.0)
1520U 2.22E-10(1.0 0.0)	1522U 2.76E-10(1.0 0.0)	1524U 2.56E-10(1.0 0.0)	1526U 2.37E-10(1.0 0.0)
1530U 2.28E-10(1.0 0.0)	1532U 2.37E-10(1.0 0.0)	1534U 1.99E-10(1.0 0.0)	1536U 1.88E-10(1.0 0.0)
1540U 1.95E-10(1.0 0.0)	1542U 1.70E-10(1.0 0.0)	1544U 1.27E-10(1.0 0.0)	1546U 1.12E-10(1.0 0.0)
1550U 1.45E-10(1.0 0.0)	1552U 1.28E-10(1.0 0.0)	1554U 1.51E-10(1.0 0.0)	1556U 1.74E-10(1.0 0.0)
1560U 1.78E-10(1.0 0.0)	1562U 1.27E-10(1.0 0.0)	1564U 1.36E-10(1.0 0.0)	1566U 1.48E-10(1.0 0.0)
1570U 1.32E-10(1.0 0.0)	1572U 1.22E-10(1.0 0.0)	1574U 1.16E-10(1.0 0.0)	1576U 1.17E-10(1.0 0.0)
1580U 9.65E-11(1.0 0.0)	1582U 1.22E-10(1.0 0.0)	1584U 1.16E-10(1.0 0.0)	1586U 1.38E-10(1.0 0.0)
1590U 1.40E-10(1.0 0.0)	1592U 1.59E-10(1.0 0.0)	1594U 1.42E-10(1.0 0.0)	1596U 1.38E-10(1.0 0.0)
1600U 1.73E-10(1.0 0.0)	1602U 1.66E-10(1.0 0.0)	1604U 1.41E-10(1.0 0.0)	1606U 1.44E-10(1.0 0.0)
1610U 1.25E-10(1.0 0.0)	1612U 1.11E-10(1.0 0.0)	1614U 9.29E-11(1.0 0.0)	1616U 9.11E-11(1.0 0.0)
1620U 1.32E-10(1.0 0.0)	1622U 1.57E-10(1.0 0.0)	1624U 1.68E-10(1.0 0.0)	1626U 1.33E-10(1.0 0.0)
1630U 1.19E-10(1.0 0.0)	1632U 1.25E-10(1.0 0.0)	1634U 1.21E-10(1.0 0.0)	1636U 1.21E-10(1.0 0.0)
1640U 1.02E-10(1.0 0.0)	1642U 1.06E-10(1.0 0.0)	1644U 1.02E-10(1.0 0.0)	1646U 1.03E-10(1.0 0.0)
1650U 1.13E-10(1.0 0.0)	1652U 1.28E-10(1.0 0.0)	1654U 1.29E-10(1.0 0.0)	1656U 1.26E-10(1.0 0.0)
1660U 1.14E-10(1.0 0.0)	1662U 1.15E-10(1.0 0.0)	1664U 1.30E-10(1.0 0.0)	1666U 1.32E-10(1.0 0.0)
1670U 1.20E-10(1.0 0.0)	1672U 1.33E-10(1.0 0.0)	1674U 1.26E-10(1.0 0.0)	1676U 1.14E-10(1.0 0.0)
1680U 1.20E-10(1.0 0.0)	1682U 1.11E-10(1.0 0.0)	1684U 1.09E-10(1.0 0.0)	1686U 1.24E-10(1.0 0.0)
1690U 1.30E-10(1.0 0.0)	1692U 1.22E-10(1.0 0.0)	1694U 1.21E-10(1.0 0.0)	1696U 1.23E-10(1.0 0.0)
1700U 1.18E-10(1.0 0.0)	1702U 1.39E-10(1.0 0.0)	1704U 1.06E-10(1.0 0.0)	1706U 1.07E-10(1.0 0.0)
1710U 1.25E-10(1.0 0.0)	1712U 1.20E-10(1.0 0.0)	1714U 1.02E-10(1.0 0.0)	1716U 9.35E-11(1.0 0.0)
1720U 1.05E-10(1.0 0.0)	1722U 1.05E-10(1.0 0.0)	1724U 1.09E-10(1.0 0.0)	1726U 1.08E-10(1.0 0.0)
1730U 9.50E-11(1.0 0.0)	1732U 9.74E-11(1.0 0.0)	1734U 1.00E-10(1.0 0.0)	1736U 9.95E-11(1.0 0.0)
1740U 8.78E-11(1.0 0.0)	1742U 8.42E-11(1.0 0.0)	1744U 8.21E-11(1.0 0.0)	1746U 8.44E-11(1.0 0.0)
1750U 8.64E-11(1.0 0.0)	1752U 8.58E-11(1.0 0.0)	1754U 8.87E-11(1.0 0.0)	1756U 8.94E-11(1.0 0.0)
1760U 9.10E-11(1.0 0.0)	1762U 9.18E-11(1.0 0.0)	1764U 8.58E-11(1.0 0.0)	1766U 7.93E-11(1.0 0.0)
1770U 7.78E-11(1.0 0.0)	1772U 7.78E-11(1.0 0.0)	1774U 7.06E-11(1.0 0.0)	1776U 7.06E-11(1.0 0.0)
1780U 7.96E-11(1.0 0.0)	1782U 8.06E-11(1.0 0.0)	1784U 8.02E-11(1.0 0.0)	1786U 7.94E-11(1.0 0.0)
1790U 8.46E-11(1.0 0.0)	1792U 8.56E-11(1.0 0.0)	1794U 7.94E-11(1.0 0.0)	1796U 7.35E-11(1.0 0.0)
1800U 7.93E-11(1.0 0.0)	1802U 9.02E-11(1.0 0.0)	1804U 9.28E-11(1.0 0.0)	1806U 8.41E-11(1.0 0.0)
1810U 7.44E-11(1.0 0.0)	1812U 7.61E-11(1.0 0.0)	1814U 7.56E-11(1.0 0.0)	1816U 7.35E-11(1.0 0.0)
1820U 7.44E-11(1.0 0.0)	1822U 7.30E-11(1.0 0.0)	1824U 7.10E-11(1.0 0.0)	1826U 7.04E-11(1.0 0.0)
1830U 8.01E-11(1.0 0.0)	1832U 8.75E-11(1.0 0.0)	1834U 7.46E-11(1.0 0.0)	1836U 7.46E-11(1.0 0.0)
1840U 7.46E-11(1.0 0.0)	1842U 8.75E-11(1.0 0.0)	1844U 8.95E-11(1.0 0.0)	1846U 8.95E-11(1.0 0.0)
1850U 6.44E-11(1.0 0.0)	1852U 6.75E-11(1.0 0.0)	1854U 6.31E-11(1.0 0.0)	1856U 5.96E-11(1.0 0.0)
1860U 6.44E-11(1.0 0.0)	1862U 6.39E-11(1.0 0.0)	1864U 6.31E-11(1.0 0.0)	1866U 6.00E-11(1.0 0.0)
1870U 6.14E-11(1.0 0.0)	1872U 6.44E-11(1.0 0.0)	1874U 5.51E-11(1.0 0.0)	1876U 5.48E-11(1.0 0.0)
1880U 5.74E-11(1.0 0.0)	1882U 5.90E-11(1.0 0.0)	1884U 5.48E-11(1.0 0.0)	1886U 5.16E-11(1.0 0.0)
1890U 5.47E-11(1.0 0.0)	1892U 5.03E-11(1.0 0.0)	1894U 5.25E-11(1.0 0.0)	1896U 4.93E-11(1.0 0.0)
1900U 5.47E-11(1.0 0.0)	1902U 5.07E-11(1.0 0.0)	1904U 4.92E-11(1.0 0.0)	1906U 5.19E-11(1.0 0.0)
1910U 4.87E-11(1.0 0.0)	1912U 4.64E-11(1.0 0.0)	1914U 4.68E-11(1.0 0.0)	1916U 4.73E-11(1.0 0.0)
1920U 4.58E-11(1.0 0.0)	1922U 4.74E-11(1.0 0.0)	1924U 4.62E-11(1.0 0.0)	1926U 4.42E-11(1.0 0.0)
1930U 4.41E-11(1.0 0.0)	1932U 4.74E-11(1.0 0.0)	1934U 4.53E-11(1.0 0.0)	1936U 4.18E-11(1.0 0.0)
1940U 4.15E-11(1.0 0.0)	1942U 4.31E-11(1.0 0.0)	1944U 4.21E-11(1.0 0.0)	1946U 3.98E-11(1.0 0.0)
1950U 4.23E-11(1.0 0.0)	1952U 4.25E-11(1.0 0.0)	1954U 4.17E-11(1.0 0.0)	1956U 3.89E-11(1.0 0.0)
1960U 4.39E-11(1.0 0.0)	1962U 3.58E-11(1.0 0.0)	1964U 3.54E-11(1.0 0.0)	1966U 3.56E-11(1.0 0.0)
1970U 4.01E-11(1.0 0.0)	1972U 4.11E-11(1.0 0.0)	1974U 4.08E-11(1.0 0.0)	1976U 3.96E-11(1.0 0.0)
1980U 3.52E-11(1.0 0.0)	1982U 3.41E-11(1.0 0.0)	1984U 3.33E-11(1.0 0.0)	1986U 3.26E-11(1.0 0.0)
1990U 3.24E-11(1.0 0.0)	1992U 3.15E-11(1.0 0.0)	1994U 3.17E-11(1.0 0.0)	1996U 3.43E-11(1.0 0.0)
2000U 3.67E-11(1.0 0.0)	2002U 3.48E-11(1.0 0.0)	2004U 3.42E-11(1.0 0.0)	2006U 3.51E-11(1.0 0.0)
2010U 3.30E-11(1.0 0.0)	2012U 3.61E-11(1.0 0.0)	2014U 3.42E-11(1.0 0.0)	2016U 3.24E-11(1.0 0.0)
2020U 3.14E-11(1.0 0.0)	2022U 3.24E-11(1.0 0.0)	2024U 3.04E-11(1.0 0.0)	2026U 2.90E-11(1.0 0.0)
2030U 3.14E-11(1.0 0.0)	2032U 3.20E-11(1.0 0.0)	2034U 3.09E-11(1.0 0.0)	2036U 2.93E-11(1.0 0.0)
2040U 3.11E-11(1.0 0.0)	2042U 3.08E-11(1.0 0.0)	2044U 2.87E-11(1.0 0.0)	2046U 2.83E-11(1.0 0.0)
2050U 2.79E-11(1.0 0.0)	2052U 2.93E-11(1.0 0.0)	2054U 2.87E-11(1.0 0.0)	2056U 2.99E-11(1.0 0.0)
2060U 2.97E-11(1.0 0.0)	2062U 2.70E-11(1.0 0.0)	2064U 2.67E-11(1.0 0.0)	2066U 2.87E-11(1.0 0.0)
2070U 2.84E-11(1.0 0.0)	2072U 2.92E-11(1.0 0.0)	2074U 2.82E-11(1.0 0.0)	2076U 2.75E-11(1.0 0.0)
2080U 2.45E-11(1.0 0.0)	2082U 2.43E-11(1.0 0.0)	2084U 2.56E-11(1.0 0.0)	2086U 2.61E-11(1.0 0.0)
2090U 2.71E-11(1.0 0.0)	2092U 2.74E-11(1.0 0.0)	2094U 2.65E-11(1.0 0.0)	2096U 2.43E-11(1.0 0.0)
2100U 2.08E-11(1.0 0.0)	2102U 2.08E-11(1.0 0.0)	2104U 2.17E-11(1.0 0.0)	2106U 2.27E-11(1.0 0.0)
2110U 2.28E-11(1.0 0.0)	2112U 2.17E-11(1.0 0.0)	2114U 2.04E-11(1.0 0.0)	2116U 1.99E-11(1.0 0.0)
2120U 2.06E-11(1.0 0.0)	2122U 2.07E-11(1.0 0.0)	2124U 2.07E-11(1.0 0.0)	2126U 2.06E-11(1.0 0.0)
2130U 1.98E-11(1.0 0.0)	2132U 1.90E-11(1.0 0.0)	2134U 1.88E-11(1.0 0.0)	2136U 1.91E-11(1.0 0.0)
2140U 1.98E-11(1.0 0.0)	2142U 1.92E-11(1.0 0.0)	2144U 1.84E-11(1.0 0.0)	2146U 1.82E-11(1.0 0.0)
2150U 1.92E-11(1.0 0.0)	2152U 1.95E-11(1.0 0.0)	2154U 1.94E-11(1.0 0.0)	2156U 1.93E-11(1.0 0.0)
2160U 1.96E-11(1.0 0.0)	2162U 1.96E-11(1.0 0.0)	2164U 1.92E-11(1.0 0.0)	2166U 1.89E-11(1.0 0.0)
2170U 1.89E-11(1.0 0.0)	2172U 1.87E-11(1.0 0.0)	2174U 1.82E-11(1.0 0.0)	2176U 1.79E-11(1.0 0.0)
2180U 1.85E-11(1.0 0.0)	2182U 1.82E-11(1.0 0.0)	2184U 1.78E-11(1.0 0.0)	2186U 1.82E-11(1.0 0.0)
2190U 1.62E-11(1.0 0.0)	2192U 1.55E-11(1.0 0.0)	2194U 1.57E-11(1.0 0.0)	2196U 1.65E-11(1.0 0.0)
2200U 1.65E-11(1.0 0.0)	2202U 1.61E-11(1.0 0.0)	2204U 1.58E-11(1.0 0.0)	2206U 1.62E-11(1.0 0.0)
2210U 1.64E-11(1.0 0.0)	2212U 1.60E-11(1.0 0.0)	2214U 1.56E-11(1.0 0.0)	2216U 1.55E-11(1.0 0.0)
2220U 1.65E-11(1.0 0.0)	2222U 1.66E-11(1.0 0.0)	2224U 1.68E-11(1.0 0.0)	2226U 1.67E-11(1.0 0.0)
2230U 1.56E-11(1.0 0.0)	2232U 1.52E-11(1.0 0.0)	2234U 1.50E-11(1.0 0.0)	2236U 1.53E-11(1.0 0.0)
2240U 1.65E-11(1.0 0.0)	2242U 1.64E-11(1.0 0.0)	2244U 1.57E-11(1.0 0.0)	2246U 1.46E-11(1.0 0.0)
2250U 1.28E-11(1.0 0.0)	2252U 1.24E-11(1.0 0.0)	2254U 1.23E-11(1.0 0.0)	2256U 1.21E-11(1.0 0.0)
2260U 1.14E-11(1.0 0.0)	2262U 1.12E-11(1.0 0.0)	2264U 1.12E-11(1.0 0.0)	2266U 1.15E-11(1.0 0.0)
2270U 1.25E-11(1.0 0.0)	2272U 1.30E-11(1.0 0.0)	2274U 1.32E-11(1.0 0.0)	2276U 1.31E-11(1.0 0.0)
2280U 1.23E-11(1.0 0.0)	2282U 1.19E-11(1.0 0.0)	2284U 1.15E-11(1.0 0.0)	2286U 1.13E-11(1.0 0.0)
2290U 1.15E-11(1.0 0.0)	2292U 1.19E-11(1.0 0.0)	2294U 1.24E-11(1.0 0.0)	2296U 1.30E-11(1.0 0.0)
2300U 0.00(0.0 0.0)	2302U 0.00(0.0 0.0)	2304U 2.84(1.0 0.0)	2306U 3.23(1.0 0.0)
2310U 3.72(1.1 27.0)	2312U 4.89(1.2 29.1)	2314U 4.20(1.4 17.6)	2316U 4.52(1.4 1.7)
2320U 5.03(1.3 4.5)	2322U 5.28(1.1 23.3)	2324U 5.63(1.0 39.6)	2326U 5.99(1.7 32.7)
2330U 0.00(0.0 0.0)	2332U 0.00(0.0 0.0)	2334U 3.23(1.0 49.8)	2336U 4.52(1.4 1.7)
2340U 3.72(1.1 27.0)	2342U 4.89(1.2 29.1)	2344U 4.20(1.4 17.6)	2346U 4.52(1.4 1.7)
2350U 5.03(1.3 4.5)	2352U 5.28(1.1 23.3)	2354U 5.63(1.0 39.6)	2356U 5.99(1.7 32.7)
2360U 0.00(0.0 0.0)	2362U 0.00(0.0 0.0)	2364U 3.23(1.0 49.8)	2366U 4.52(1.4 1.7)
2370U 3.72(1.1 27.0)	2372U 4.89(1.2 29.1)	2374U 4.20(1.4 17.6)	2376U 4.52(1.4 1.7)
2380U 5.03(1.3 4.5)	2382U 5.28(1.1 23.3)	2384U 5.63(1.0 39.6)	2386U 5.99(1.7 32.7)
2390U 0.00(0.0 0.0)	2392U 0.00(0.0 0.0)	2394U 3.23(1.0 49.8)	2396U 4.52(1.4 1.7)
2400U 3.72(1.1 27.0)	2402U 4.89(1.2 29.1)	2404U 4.20(1.4 17.6)	2406U 4.52(1.4 1.7)
2410U 5.03(1.3 4.5)	2412U 5.28(1.1 23.3)	2414U 5.63(1.0 39.6)	2416U 5.99(1.7 32.7)
2420U 0.00(0.0 0.0)	2422U 0.00(0.0 0.0)	2424U 3.23(1.0 49.8)	2426U 4.52(1.4 1.7)
2430U 3.72(1.1 27.0)	2432U 4.89(1.2 29.1)	2434U 4.20(1.4 17.6)	2436U 4.52(1.4 1.7)
2440U 5.03(1.3 4.5)	2442U 5.28(1.1 23.3)	2444U 5.63(1.0 39.6)	2446U 5.99(1.7 32.7)
2450U 0.00(0.0 0.0)	2452U 0.00(0.0 0.0)	2454U 3.23(1.0 49.8)	2456U 4.52(1.4 1.7)
2460U 3.72(1.1 27.0)	2462U 4.89(1.2 29.1)	2464U 4.20(1.4 17.6)	2466U 4.52(1.4 1.7)
2470U 5.03(1.3 4.5)	2472U 5.28(1.1 23.3)	2474U 5.63(1.0 39.6)	2476U 5.99(1.7 32.7)
2480U 0.00(0.0 0.0)	2482U 0.00(0.0 0.0)	2484U 3.23(1.0 49.8)	2486U 4.52(1.4 1.7)
2490U 3.72(1.1 27.0)	2492U 4.89(1.2 29.1)	2494U 4.20(1.4 17.6)	2496U 4.52(1.4 1.7)
2500U 5.03(1.3 4.5)	2502U 5.28(1.1 23.3)	2504U 5.63(1.0 39.6)	2506U 5.99(1.7 32.7)

X,Y(MM) 2.2 1.8 SL4-122 12 SCANS, T= 269 HD 68761 WT .7,SCALE 1.43  
X,Y(MM) -1.6 -16.3 SL4- 72 22 SCANS, T= 219 HD 68761 WT .7,SCALE .38

R = 1.05:+





LAMBDA, F (WT, SIG)	F = AVE FLUX FROM LAM-DEL/2 TO LAM+DEL/2		
1430, 0. (0.0 0.0)	1432, 7.25E-10(.6 0.0)	1434, 7.04E-10(.6 0.0)	1436, 7.69E-10(.6 0.0)
1440, 7.79E-10(.6 0.0)	1442, 8.18E-10(.6 0.0)	1444, 1.03E-09(.6 0.0)	1446, 1.05E-09(.6 0.0)
1450, 8.57E-10(.6 0.0)	1452, 8.09E-10(.6 0.0)	1454, 9.20E-10(.6 0.0)	1456, 8.52E-10(.6 0.0)
1460, 7.54E-10(.6 0.0)	1462, 9.11E-10(.6 0.0)	1464, 8.01E-10(.6 0.0)	1466, 7.47E-10(.6 0.0)
1470, 9.16E-10(.6 0.0)	1472, 8.09E-10(.6 0.0)	1474, 8.10E-10(.6 0.0)	1476, 6.84E-10(.6 0.0)
1480, 8.11E-10(.6 0.0)	1482, 7.53E-10(.6 0.0)	1484, 7.33E-10(.6 0.0)	1486, 7.12E-10(.6 0.0)
1490, 7.02E-10(.6 0.0)	1492, 7.38E-10(.6 0.0)	1494, 9.15E-10(.6 0.0)	1496, 8.59E-10(.6 0.0)
1500, 7.61E-10(.6 0.0)	1502, 7.62E-10(.6 0.0)	1504, 7.84E-10(.6 0.0)	1506, 5.96E-10(.6 0.0)
1510, 7.74E-10(.6 0.0)	1512, 7.21E-10(.6 0.0)	1514, 7.33E-10(.6 0.0)	1516, 8.67E-10(.6 0.0)
1520, 7.06E-10(.6 0.0)	1522, 6.54E-10(.6 0.0)	1524, 6.49E-10(.6 0.0)	1526, 6.96E-10(.6 0.0)
1530, 6.79E-10(.6 0.0)	1532, 6.22E-10(.6 0.0)	1534, 5.98E-10(.6 0.0)	1536, 5.59E-10(.6 0.0)
1540, 5.87E-10(.6 0.0)	1542, 6.21E-10(.6 0.0)	1544, 6.46E-10(.6 0.0)	1546, 6.45E-10(.6 0.0)
1550, 5.48E-10(.6 0.0)	1552, 6.23E-10(.6 0.0)	1554, 5.62E-10(.6 0.0)	1556, 5.18E-10(.6 0.0)
1560, 6.77E-10(.6 0.0)	1562, 7.33E-10(.6 0.0)	1564, 7.10E-10(.6 0.0)	1566, 7.14E-10(.6 0.0)
1570, 5.92E-10(.6 0.0)	1572, 6.95E-10(.6 0.0)	1574, 6.97E-10(.6 0.0)	1576, 7.60E-10(.6 0.0)
1580, 6.61E-10(.6 0.0)	1582, 6.68E-10(.6 0.0)	1584, 7.72E-10(.6 0.0)	1586, 7.03E-10(.6 0.0)
1590, 7.99E-10(.6 0.0)	1592, 7.32E-10(.6 0.0)	1594, 7.62E-10(.6 0.0)	1596, 7.25E-10(.6 0.0)
1600, 6.73E-10(.6 0.0)	1602, 7.22E-10(.6 0.0)	1604, 8.44E-10(.6 0.0)	1606, 7.51E-10(.6 0.0)
1610, 5.25E-10(.6 0.0)	1612, 6.59E-10(.6 0.0)	1614, 7.17E-10(.6 0.0)	1616, 6.45E-10(.6 0.0)
1620, 6.56E-10(.6 0.0)	1622, 6.67E-10(.6 0.0)	1624, 6.57E-10(.6 0.0)	1626, 6.69E-10(.6 0.0)
1630, 6.00E-10(.6 0.0)	1632, 5.88E-10(.6 0.0)	1634, 6.53E-10(.6 0.0)	1636, 6.47E-10(.6 0.0)
1640, 6.78E-10(.6 0.0)	1642, 5.81E-10(.6 0.0)	1644, 6.19E-10(.6 0.0)	1646, 6.87E-10(.6 0.0)
1650, 5.82E-10(.6 0.0)	1652, 6.47E-10(.6 0.0)	1654, 6.85E-10(.6 0.0)	1656, 6.67E-10(.6 0.0)
1660, 7.05E-10(.6 0.0)	1662, 6.75E-10(.6 0.0)	1664, 6.85E-10(.6 0.0)	1666, 7.31E-10(.6 0.0)
1670, 8.16E-10(.6 0.0)	1672, 7.32E-10(.6 0.0)	1674, 6.22E-10(.6 0.0)	1676, 6.71E-10(.6 0.0)
1680, 6.61E-10(.6 0.0)	1682, 6.90E-10(.6 0.0)	1684, 6.60E-10(.6 0.0)	1686, 6.63E-10(.6 0.0)
1690, 7.02E-10(.6 0.0)	1692, 6.73E-10(.6 0.0)	1694, 7.56E-10(.5 0.0)	1696, 7.83E-10(.5 0.0)
1700, 6.71E-10(.6 0.0)	1702, 5.81E-10(.6 0.0)	1704, 5.56E-10(.6 0.0)	1706, 6.12E-10(.6 0.0)
1710, 6.60E-10(.5 0.0)	1712, 6.64E-10(.5 0.0)	1714, 5.86E-10(.5 0.0)	1716, 6.03E-10(.5 0.0)
1720L 7.98E-10(.5 0.0)	1722L 6.53E-10(.5 0.0)	1724L 5.39E-10(.5 0.0)	1726L 5.89E-10(.5 0.0)
1730L 6.37E-10(.5 0.0)	1732L 5.98E-10(.5 0.0)	1734L 5.86E-10(.5 0.0)	1736L 5.42E-10(.5 0.0)
1740L 5.77E-10(.4 0.0)	1742L 5.88E-10(.4 0.0)	1744L 4.19E-10(.4 0.0)	1746L 6.59E-10(.4 0.0)
1750L 6.30E-10(.4 0.0)	1752, 5.70E-10(.5 0.0)	1754, 4.23E-10(.5 0.0)	1756, 4.40E-10(.5 0.0)
1760, 5.67E-10(.5 0.0)	1762, 5.64E-10(.5 0.0)	1764, 5.53E-10(.5 0.0)	1766, 5.60E-10(.5 0.0)
1770, 5.67E-10(.4 0.0)	1772, 5.53E-10(.5 0.0)	1774, 5.21E-10(.5 0.0)	1776, 5.00E-10(.5 0.0)
1780, 5.46E-10(.4 0.0)	1782, 5.65E-10(.4 0.0)	1784, 5.55E-10(.4 0.0)	1786, 5.24E-10(.4 0.0)
1790, 5.07E-10(.4 0.0)	1792, 5.18E-10(.4 0.0)	1794, 4.93E-10(.4 0.0)	1796, 4.62E-10(.4 0.0)
1800, 4.69E-10(.4 0.0)	1802, 4.69E-10(.4 0.0)	1804, 4.58E-10(.4 0.0)	1806, 4.58E-10(.4 0.0)
1810, 4.89E-10(.4 0.0)	1812, 5.16E-10(.4 0.0)	1814, 5.30E-10(.4 0.0)	1816, 5.42E-10(.4 0.0)
1820, 5.30E-10(.4 0.0)	1822, 4.98E-10(.4 0.0)	1824, 4.72E-10(.4 0.0)	1826, 4.62E-10(.4 0.0)
1800, 4.65E-10(.4 0.0)	1805, 4.60E-10(.4 0.0)	1810, 4.92E-10(.4 0.0)	1815, 5.29E-10(.4 0.0)
1825, 4.70E-10(.4 0.0)	1830, 4.47E-10(.4 0.0)	1835, 5.20E-10(.4 0.0)	1840, 5.00E-10(.4 0.0)
1850, 4.74E-10(.4 0.0)	1855, 4.93E-10(.3 0.0)	1860, 5.35E-10(.3 0.0)	1865, 5.42E-10(.3 0.0)
1875, 4.63E-10(.3 0.0)	1880, 5.03E-10(.3 0.0)	1885, 5.10E-10(.3 0.0)	1890, 4.93E-10(.3 0.0)
1900, 5.06E-10(.3 0.0)	1905, 4.54E-10(.3 0.0)	1910, 4.26E-10(.3 0.0)	1915, 4.37E-10(.3 0.0)
1925, 4.32E-10(.3 0.0)	1930, 3.87E-10(.3 0.0)	1935, 4.06E-10(.3 0.0)	1940, 4.16E-10(.3 0.0)
1950, 3.90E-10(.3 0.0)	1955, 3.57E-10(.3 0.0)	1960, 3.98E-10(.3 0.0)	1965, 3.69E-10(.3 0.0)
1975, 3.19E-10(.3 0.0)	1980, 3.43E-10(.3 0.0)	1985, 3.32E-10(.3 0.0)	1990, 3.07E-10(.3 0.0)
2000, 3.43E-10(.3 0.0)	2005E 3.51E-10(.3 0.0)	2010E 3.75E-10(.3 0.0)	2015E 3.64E-10(.3 0.0)
2025, 3.10E-10(.3 0.0)	2030E 3.15E-10(.3 0.0)	2035E 3.27E-10(.3 0.0)	2040E 3.12E-10(.3 0.0)
2050E 2.82E-10(.3 0.0)	2055E 2.88E-10(.3 0.0)	2060E 2.92E-10(.2 0.0)	2065E 2.86E-10(.2 0.0)
2075E 2.87E-10(.2 0.0)	2080E 2.96E-10(.2 0.0)	2085E 2.72E-10(.2 0.0)	2090E 2.45E-10(.2 0.0)
2100E 2.52E-10(.2 0.0)	2105E 2.74E-10(.2 0.0)	2110E 2.82E-10(.2 0.0)	2115E 2.77E-10(.2 0.0)
2125E 2.60E-10(.2 0.0)	2130E 2.59E-10(.2 0.0)	2135E 2.68E-10(.2 0.0)	2140E 2.52E-10(.2 0.0)
2150E 2.08E-10(.2 0.0)	2155E 2.07E-10(.2 0.0)	2160E 2.12E-10(.2 0.0)	2165E 2.27E-10(.2 0.0)
2175E 2.51E-10(.1 0.0)	2180E 2.54E-10(.1 0.0)	2185E 2.54E-10(.1 0.0)	2190E 2.32E-10(.2 0.0)
2200E 1.78E-10(.2 0.0)	2205E 1.84E-10(.2 0.0)	2210E 2.11E-10(.2 0.0)	2215E 2.39E-10(.1 0.0)
2225E 2.30E-10(.1 0.0)	2230E 2.15E-10(.1 0.0)	2235E 2.06E-10(.1 0.0)	2240E 2.07E-10(.1 0.0)
2250E 2.18E-10(.1 0.0)	2255E 2.27E-10(.1 0.0)	2260E 2.33E-10(.1 0.0)	2265E 2.28E-10(.1 0.0)
2275E 1.97E-10(.1 0.0)	2280E 1.79E-10(.1 0.0)	2285E 1.73E-10(.1 0.0)	2290E 1.84E-10(.1 0.0)
135, 0.00(0.0 0.0)	139, 0.00(0.0 0.0)	148, 1.67(.6 0.0)	154, 1.92(.6 0.0)
166, 1.82(.6 0.0)	172, 1.92(.5 0.0)	181, 2.15(.4 0.0)	192, 2.31(.3 0.0)
219E 3.01(.2 0.0)	245, 0.00(0.0 0.0)	280, 0.00(0.0 0.0)	360, 0.00(0.0 0.0)

X,Y(MM) .4 -6.7 SL4- 72 18 SCANS, T= 219 HR 3237 WT .6, SCALE 1.00

R = 1.10

LAMBDA F ( WT. SIG.)			F = AVE FLUX FROM LAM-DEL/2 TO LAM-DEL/2			LAMBDA F ( WT. SIG.)			F = AVE FLUX FROM LAM-DEL/2 TO LAM-DEL/2			LAMBDA F ( WT. SIG.)			F = AVE FLUX FROM LAM-DEL/2 TO LAM-DEL/2			LAMBDA F ( WT. SIG.)			F = AVE FLUX FROM LAM-DEL/2 TO LAM-DEL/2																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
14800	4.32E-11	(1.0 0.0)	14820	0.08E-10	(1.0 0.0)	14840	9.05E-11	(1.0 0.0)	14860	9.94E-11	(1.0 0.0)	14880	1.62E-10	(1.0 0.0)	14900	1.60E-10	(1.0 0.0)	14920	1.01E-10	(1.0 0.0)	14940	1.26E-10	(1.0 0.0)	14960	2.99E-11	(1.0 0.0)	14980	4.29E-11	(1.0 0.0)	15000	8.04E-11	(1.0 0.0)	15020	1.74E-10	(1.0 0.0)	15040	9.53E-11	(1.0 0.0)	15060	8.48E-11	(1.0 0.0)	15080	1.51E-10	(1.0 0.0)	15100	1.16E-10	(1.0 0.0)	15120	8.04E-11	(1.0 0.0)	15140	9.28E-11	(1.0 0.0)	15160	1.12E-10	(1.0 0.0)	15180	5.51E-11	(1.0 0.0)	15200	1.17E-11	(1.0 0.0)	15220	5.72E-11	(1.0 0.0)	15240	2.27E-11	(1.0 0.0)	15260	8.24E-11	(1.0 0.0)	15280	7.95E-11	(1.0 0.0)	15300	3.74E-11	(1.0 0.0)	15320	1.56E-11	(1.0 0.0)	15340	7.24E-11	(1.0 0.0)	15360	3.92E-11	(1.0 0.0)	15380	1.83E-11	(1.0 0.0)	15400	5.74E-11	(1.0 0.0)	15420	7.23E-11	(1.0 0.0)	15440	1.43E-11	(1.0 0.0)	15460	1.45E-11	(1.0 0.0)	15480	1.39E-11	(1.0 0.0)	15500	1.50E-24	(1.0 0.0)	15520	5.0E-24	(1.0 0.0)	15540	1.03E-11	(1.0 0.0)	15560	7.23E-11	(1.0 0.0)	15580	1.05E-10	(1.0 0.0)	15600	1.02E-10	(2.0 0.0)	15620	1.26E-10	(2.0 0.0)	15640	6.40E-11	(1.0 0.0)	15660	4.10E-11	(1.0 0.0)	15680	6.97E-11	(1.0 0.0)	15700	8.01E-11	(1.0 0.0)	15720	9.97E-11	(1.0 0.0)	15740	8.16E-11	(2.0 0.0)	15760	1.00E-10	(2.0 0.0)	15780	1.16E-10	(2.0 0.0)	15800	1.36E-10	(3.0 0.0)	15820	1.29E-10	(3.0 0.0)	15840	8.50E-11	(3.0 0.0)	15860	1.16E-10	(2.0 0.0)	15880	1.23E-10	(3.0 0.0)	15900	1.12E-10	(2.0 0.0)	15920	4.98E-11	(2.0 0.0)	15940	4.86E-11	(1.0 0.0)	15960	1.01E-10	(2.0 0.0)	15980	1.07E-10	(3.0 0.0)	16000	1.07E-10	(2.0 0.0)	16020	8.57E-11	(1.0 0.0)	16040	5.67E-11	(1.0 0.0)	16060	8.01E-11	(2.0 0.0)	16080	8.27E-11	(2.0 0.0)	16100	9.97E-11	(2.0 0.0)	16120	7.23E-11	(2.0 0.0)	16140	8.42E-11	(2.0 0.0)	16160	9.00E-11	(2.0 0.0)	16180	9.00E-11	(2.0 0.0)	16200	9.11E-11	(3.0 0.0)	16220	8.62E-11	(3.0 0.0)	16240	1.09E-10	(3.0 0.0)	16260	1.09E-10	(3.0 0.0)	16280	9.00E-11	(2.0 0.0)	16300	4.91E-11	(1.0 0.0)	16320	5.30E-11	(1.0 0.0)	16340	6.33E-11	(2.0 0.0)	16360	6.57E-11	(2.0 0.0)	16380	8.35E-11	(3.0 0.0)	16400	9.93E-11	(4.0 0.0)	16420	7.97E-11	(4.0 0.0)	16440	8.31E-11	(4.0 0.0)	16460	9.49E-11	(4.0 0.0)	16480	9.12E-11	(4.0 0.0)	16500	7.95E-11	(4.0 0.0)	16520	5.29E-11	(2.0 0.0)	16540	3.97E-11	(2.0 0.0)	16560	5.39E-11	(2.0 0.0)	16580	7.20E-11	(3.0 0.0)	16600	8.29E-11	(4.0 0.0)	16620	8.30E-11	(4.0 0.0)	16640	8.10E-11	(4.0 0.0)	16660	7.94E-11	(5.0 0.0)	16680	8.45E-11	(5.0 0.0)	16700	8.29E-11	(5.0 0.0)	16720	8.26E-11	(5.0 0.0)	16740	7.77E-11	(5.0 0.0)	16760	7.16E-11	(5.0 0.0)	16780	7.58E-11	(5.0 0.0)	16800	8.51E-11	(5.0 0.0)	16820	9.0	(0.0 0.0)	16840	9.0	(0.0 0.0)	16860	8.06E-11	(7.0 0.0)	16880	8.06E-11	(7.0 0.0)	16900	9.07E-11	(5.0 0.0)	16920	9.07E-11	(5.0 0.0)	16940	7.33E-11	(5.0 0.0)	16960	8.30E-11	(5.0 0.0)	16980	8.30E-11	(5.0 0.0)	17000	7.30E-11	(5.0 0.0)	17020	7.30E-11	(5.0 0.0)	17040	7.71E-11	(5.0 0.0)	17060	7.30E-11	(5.0 0.0)	17080	6.99E-11	(6.0 0.0)	17100	7.28E-11	(6.0 0.0)	17120	7.19E-11	(6.0 0.0)	17140	7.56E-11	(6.0 0.0)	17160	8.91E-11	(8.0 0.0)	17180	1.02E-10	(8.0 0.0)	17200	9.57E-11	(7.0 0.0)	17220	6.94E-11	(5.0 0.0)	17240	5.53E-11	(5.0 0.0)	17260	6.45E-11	(6.0 0.0)	17280	6.45E-11	(6.0 0.0)	17300	6.45E-11	(6.0 0.0)	17320	6.45E-11	(6.0 0.0)	17340	8.59E-11	(9.0 0.0)	17360	7.16E-11	(8.0 0.0)	17380	7.16E-11	(8.0 0.0)	17400	7.16E-11	(8.0 0.0)	17420	7.16E-11	(8.0 0.0)	17440	7.16E-11	(8.0 0.0)	17460	7.16E-11	(8.0 0.0)	17480	7.16E-11	(8.0 0.0)	17500	7.16E-11	(8.0 0.0)	17520	7.16E-11	(8.0 0.0)	17540	7.16E-11	(8.0 0.0)	17560	7.16E-11	(8.0 0.0)	17580	7.16E-11	(8.0 0.0)	17600	7.16E-11	(8.0 0.0)	17620	7.16E-11	(8.0 0.0)	17640	7.16E-11	(8.0 0.0)	17660	7.16E-11	(8.0 0.0)	17680	7.16E-11	(8.0 0.0)	17700	7.16E-11	(8.0 0.0)	17720	7.16E-11	(8.0 0.0)	17740	7.16E-11	(8.0 0.0)	17760	7.16E-11	(8.0 0.0)	17780	7.16E-11	(8.0 0.0)	17800	7.16E-11	(8.0 0.0)	17820	7.16E-11	(8.0 0.0)	17840	7.16E-11	(8.0 0.0)	17860	7.16E-11	(8.0 0.0)	17880	7.16E-11	(8.0 0.0)	17900	7.16E-11	(8.0 0.0)	17920	7.16E-11	(8.0 0.0)	17940	7.16E-11	(8.0 0.0)	17960	7.16E-11	(8.0 0.0)	17980	7.16E-11	(8.0 0.0)	18000	7.16E-11	(8.0 0.0)

R = 1.07:

[illegible] $R = 0.76$

HD 69168

HD 69168

HD 69168

LAMBDA, F (WT, SIG)	F = AVE FLUX	FROM LAM-DEL/2 TO LAM+DEL/2	
1590, 1.28E-10(.5 0.0)	1592, 1.68E-10(.7 0.0)	1594, 1.62E-10(.7 0.0)	1596, 1.76E-10(.7 0.0)
1600, 1.23E-10(.6 0.0)	1602, 1.28E-10(.6 0.0)	1604, 1.59E-10(.7 0.0)	1606, 1.61E-10(.7 0.0)
1610, 1.12E-10(.5 0.0)	1612, 1.17E-10(.4 0.0)	1614, 1.21E-10(.4 0.0)	1616, 1.07E-10(.5 0.0)
1620, 1.55E-10(.7 0.0)	1622, 1.48E-10(.7 0.0)	1624, 1.43E-10(.7 0.0)	1626, 1.21E-10(.6 0.0)
1630, 1.67E-10(.7 0.0)	1632, 1.42E-10(.7 0.0)	1634, 1.28E-10(.6 0.0)	1636, 1.26E-10(.6 0.0)
1640, 1.50E-10(.7 0.0)	1642, 1.44E-10(.7 0.0)	1644, 1.26E-10(.7 0.0)	1646, 1.42E-10(.7 0.0)
1650, 1.30E-10(.7 0.0)	1652, 1.26E-10(.7 0.0)	1654, 1.48E-10(.7 0.0)	1656, 1.67E-10(.7 0.0)
1660, 1.78E-10(.7 5.6)	1662, 2.03E-10(.7 3.4)	1664, 2.06E-10(.7 3.3)	1666, 1.97E-10(.7 3.2)
1670, 2.22E-10(.7 1.6)	1672, 2.29E-10(.7 1.7)	1674, 2.06E-10(.7 3.3)	1676, 1.86E-10(.7 3.7)
1680, 1.79E-10(.7 3.7)	1682, 1.80E-10(.8 1.6)	1684, 1.74E-10(.8 13.7)	1686, 1.48E-10(.8 20.1)
1690, 1.81E-10(.8 6.1)	1692, 2.01E-10(.8 9)	1694, 1.90E-10(.7 7.7)	1696, 1.72E-10(.7 12.1)
1700, 1.60E-10(.8 1.3)	1702, 1.49E-10(.8 2.0)	1704, 1.46E-10(.8 8)	1706, 1.65E-10(.9 9.2)
1710, 1.88E-10(1.0 15.2)	1712, 1.74E-10(.9 7.5)	1714, 1.77E-10(.8 8.0)	1716, 1.77E-10(.8 11.1)
1720, 1.43E-10(.8 10.5)	1722, 1.30E-10(.8 3.2)	1724, 1.34E-10(.8 7.6)	1726, 1.60E-10(.8 4.4)
1730, 1.97E-10(.9 6.3)	1732, 1.96E-10(.9 2.4)	1734, 1.86E-10(1.0 15.9)	1736, 1.70E-10(1.0 19.3)
1740, 1.79E-10(1.0 15.8)	1742, 1.93E-10(1.0 14.0)	1744, 1.94E-10(1.0 9.9)	1746, 1.92E-10(1.0 8.5)
1750, 1.85E-10(1.0 15.4)	1752, 1.77E-10(1.1 20.6)	1754, 1.75E-10(1.1 25.9)	1756, 1.83E-10(1.1 26.4)
1760, 1.91E-10(1.0 12.2)	1762, 1.79E-10(1.0 6.1)	1764, 1.79E-10(1.0 5.8)	1766, 1.85E-10(1.0 5.6)
1770, 1.96E-10(1.0 4.0)	1772, 1.90E-10(1.0 9.0)	1774, 1.79E-10(1.0 12.7)	1776, 1.73E-10(1.0 11.7)
1780, 1.74E-10(1.0 7.3)	1782, 1.63E-10(1.0 5.5)	1784, 1.43E-10(.9 4.3)	1786, 1.33E-10(.9 3.1)
1790, 1.44E-10(.9 2.9)	1792, 1.41E-10(.9 1.9)	1794, 1.30E-10(.9 3.6)	1796, 1.26E-10(1.0 9.2)
1800, 1.53E-10(1.0 6.0)	1802, 1.59E-10(1.0 4.1)	1804, 1.59E-10(1.0 5.4)	1806, 1.62E-10(1.1 9.0)
1810, 1.68E-10(1.1 11.0)	1812, 1.65E-10(1.1 13.1)	1814, 1.63E-10(1.1 14.9)	1816, 1.62E-10(1.1 14.0)
1820, 1.54E-10(1.1 7.0)	1822, 1.54E-10(1.1 6.1)	1824, 1.57E-10(1.1 5.0)	1826, 1.55E-10(1.0 3.8)
1800, 1.52E-10(1.1 6.6)	1805, 1.62E-10(1.1 7.4)	1810, 1.67E-10(1.1 11.6)	1815, 1.62E-10(1.1 14.0)
1825, 1.56E-10(1.0 4.5)	1830, 1.51E-10(1.0 1.2)	1835, 1.61E-10(1.0 4.3)	1840, 1.55E-10(1.0 8.3)
1850, 1.33E-10(1.0 7.4)	1855, 1.22E-10(1.1 9.2)	1860, 1.33E-10(1.1 10.4)	1865, 1.51E-10(1.1 4.2)
1875, 1.41E-10(1.1 3.8)	1880, 1.45E-10(1.0 4.3)	1885, 1.47E-10(1.0 12.0)	1890, 1.53E-10(1.0 10.5)
1900, 1.34E-10(1.0 7.0)	1905, 1.22E-10(1.1 3.0)	1910, 1.26E-10(1.1 11.4)	1915, 1.34E-10(1.1 4.3)
1925, 1.25E-10(1.1 2.5)	1930, 1.17E-10(1.1 7.1)	1935, 1.08E-10(1.1 12.3)	1940, 1.06E-10(1.1 6.1)
1950, 1.20E-10(1.1 8.2)	1955, 1.08E-10(1.1 4.6)	1960, 1.11E-10(1.2 10.7)	1965, 1.20E-10(1.2 1.9)
1975, 1.11E-10(1.2 6.5)	1980, 1.20E-10(1.2 4.5)	1985, 1.22E-10(1.2 1.9)	1990, 1.22E-10(1.3 1.3)
2000, 1.81E-10(1.3 7)	2010, 1.75E-10(1.4 7.1)	2015, 1.77E-10(1.4 4.5)	2020, 1.92E-10(1.4 3.6)
2025, 1.14E-10(1.5 8.1)	2030, 1.03E-10(1.4 13.5)	2035, 9.84E-11(1.4 11.9)	2040, 9.91E-11(1.4 8.3)
2050, 9.49E-11(1.5 6)	2055, 9.71E-11(1.4 4.6)	2060, 9.86E-11(1.4 6.1)	2065, 1.04E-10(1.5 6.3)
2075, 1.12E-10(1.5 1.4)	2080, 1.10E-10(1.6 5.4)	2085, 1.10E-10(1.6 6.4)	2090, 1.09E-10(1.6 6.2)
2100, 1.04E-10(1.6 10.1)	2105, 1.07E-10(1.6 9.4)	2110, 1.08E-10(1.7 7.0)	2115, 1.07E-10(1.7 8.9)
2125, 1.03E-10(1.8 12.6)	2130, 1.02E-10(1.8 9.7)	2135, 1.05E-10(1.7 7.5)	2140, 1.09E-10(1.7 7.4)
2150, 1.12E-10(1.7 4.0)	2155, 1.10E-10(1.7 5)	2160, 1.08E-10(1.7 2.4)	2165, 1.05E-10(1.7 1.8)
2175, 9.81E-11(1.7 3.5)	2180, 9.29E-11(1.7 3.7)	2185, 9.01E-11(1.7 4.5)	2190, 9.28E-11(1.7 4.4)
2200, 1.00E-10(1.7 2.1)	2205, 9.89E-11(1.7 3.0)	2210, 9.63E-11(1.7 4.5)	2215, 9.35E-11(1.7 5.7)
2225, 9.39E-11(1.7 3.7)	2230, 9.71E-11(1.7 1.1)	2235, 9.94E-11(1.6 5.4)	2240, 9.91E-11(1.6 6.6)
2250, 9.53E-11(1.7 5.7)	2255, 9.44E-11(1.7 6.4)	2260, 9.41E-11(1.7 5.7)	2265, 9.43E-11(1.7 4.4)
2275, 9.30E-11(1.7 5.9)	2280, 8.96E-11(1.7 8.3)	2285, 8.70E-11(1.7 9.7)	2290, 8.67E-11(1.7 7.6)
2300, 9.09E-11(1.6 5.3)	2305, 9.24E-11(1.6 7.3)	2310, 9.32E-11(1.6 5.0)	2315, 9.32E-11(1.6 7.7)
2300, 9.07E-11(1.6 4.6)	2310, 9.32E-11(1.6 4.9)	2320, 9.24E-11(1.6 2.4)	2330, 8.97E-11(1.6 5.3)
2350, 9.13E-11(1.6 5.1)	2360, 8.95E-11(1.6 5.6)	2370, 8.69E-11(1.6 8.4)	2380, 8.43E-11(1.6 8.5)
2400, 8.03E-11(1.6 3.5)	2410, 8.09E-11(1.6 4.6)	2420, 8.22E-11(1.6 5.6)	2430, 8.06E-11(1.6 3.4)
2450, 7.58E-11(1.6 8.1)	2460, 7.76E-11(1.6 8.0)	2470, 8.09E-11(1.6 6.8)	2480, 8.11E-11(1.6 3.3)
2500, 7.68E-11(1.6 3.5)	2510, 7.57E-11(1.6 6.1)	2520, 7.64E-11(1.6 4.2)	2530, 7.80E-11(1.6 8.1)
2550, 7.52E-11(1.5 5.6)	2560, 7.19E-11(1.6 5.0)	2570, 6.98E-11(1.6 4.6)	2580, 6.83E-11(1.6 3.8)
2600, 6.58E-11(1.6 6.7)	2610, 6.68E-11(1.6 7.4)	2620, 6.86E-11(1.6 2.4)	2630, 7.01E-11(1.6 4.1)
2650, 7.11E-11(1.6 5.0)	2660, 7.28E-11(1.6 7.6)	2670, 7.37E-11(1.6 6.0)	2680, 7.26E-11(1.5 2.7)
2700, 6.86E-11(1.5 3)	2710, 6.75E-11(1.5 4.0)	2720, 6.75E-11(1.5 1.5)	2730, 6.82E-11(1.5 2.4)
2750, 6.75E-11(1.5 2.4)	2760, 6.62E-11(1.5 1.9)	2770, 6.50E-11(1.5 3.2)	2780, 6.37E-11(1.5 1.7)
2800, 6.22E-11(1.5 7.8)	2810, 6.18E-11(1.5 7.1)	2820, 6.10E-11(1.5 4.7)	2830, 6.01E-11(1.5 2.4)
2850, 5.89E-11(1.5 1.4)	2860, 5.87E-11(1.5 9)	2870, 5.86E-11(1.5 1)	2880, 5.85E-11(1.5 5)
2900, 5.82E-11(1.5 3.8)	2910, 5.84E-11(1.5 6.0)	2920, 5.84E-11(1.6 7.1)	2930, 5.81E-11(1.6 6.9)
2950, 5.66E-11(1.5 6.0)	2960, 5.57E-11(1.5 6.0)	2970, 5.50E-11(1.5 6.1)	2980, 5.45E-11(1.5 5.8)
3000, 5.34E-11(1.5 6.7)	3010, 5.25E-11(1.5 8.5)	3020, 5.14E-11(1.5 7.9)	3030, 5.04E-11(1.5 5.0)
3000, 5.33E-11(1.5 6.7)	3020, 5.15E-11(1.5 8.0)	3040, 4.97E-11(1.5 3.2)	3060, 4.93E-11(1.5 6.9)
3100, 4.99E-11(1.5 1.8)	3120, 4.90E-11(1.5 4.4)	3140, 4.82E-11(1.5 7.1)	3160, 4.81E-11(1.5 5.6)
3200, 4.85E-11(1.5 3.4)	3220, 4.81E-11(1.5 6.7)	3240, 4.70E-11(1.5 9.0)	3260, 4.62E-11(1.5 8.7)
3300, 4.81E-11(1.4 5.8)	3320, 4.81E-11(1.4 3.9)	3340, 4.68E-11(1.4 3.9)	3360, 4.52E-11(1.4 3.5)
3400, 4.37E-11(1.4 2.1)	3420, 4.29E-11(1.4 3)	3440, 4.17E-11(1.4 2.6)	3460, 4.06E-11(1.4 5.3)
3500, 3.89E-11(1.4 7.3)	3520, 3.82E-11(1.3 7.6)	3540, 3.76E-11(1.3 8.5)	3560, 3.72E-11(1.3 9.2)
3600, 3.58E-11(1.2 8.8)	3620, 3.44E-11(1.2 8.4)	3640, 3.27E-11(1.2 8.2)	3660, 3.10E-11(1.2 8.0)
3700, 2.94E-11(1.2 6.9)	3720, 2.97E-11(1.1 7.8)	3740, 3.05E-11(1.1 9.5)	3760, 3.14E-11(1.1 10.7)
3800, 3.21E-11(1.0 10.0)	3820, 3.24E-11(1.0 9.7)	3840, 3.25E-11(.9 10.1)	3860, 3.27E-11(.9 11.5)
3900, 3.34E-11(.9 13.0)	3920, 3.38E-11(.8 12.5)	3940, 3.42E-11(.8 10.7)	3960, 3.48E-11(.8 8.6)
4000, 3.58E-11(.8 4.5)	4020, 3.65E-11(.8 3.0)	4040, 3.70E-11(.8 1.8)	4060, 3.77E-11(.8 8.6)
4100, 3.84E-11(.8 2.5)	4120, 3.87E-11(.9 4.6)	4140, 3.89E-11(.9 6.6)	4160, 3.96E-11(.9 8.2)
135, 0.00(0.0 0.0)	139, 0.00(0.0 0.0)	148, 0.00(0.0 0.0)	154, 0.00(0.0 0.0)
166, 3.32(1.7 3.0)	172, 3.29(.9 4.8)	181, 3.42(1.0 4.8)	192, 3.64(1.1 1.1)
219, 3.91(1.7 2.4)	245, 4.15(1.6 2.0)	280, 4.42(1.5 1.5)	360, 4.97(1.2 1.3)
161, 0.00(0.0 0.0)	204, 3.80(1.4 4.5)	0, 0.00(0.0 0.0)	0, 0.00(0.0 0.0)

R = 0.68

LAMBDA	F	(WT, SIG)	F = AVE FLUX	FROM LAM-DEL/2 TO LAM+DEL/2	LAM-DEL/2	LAM+DEL/2					
1410	0.0	(0.0 0.0)	1412	0.0	(0.0 0.0)	1416	5.83E-10	(.6 .0)	1418	5.23E-10	(.6 .0)
1420	1.12E-10	(.6 .0)	1422	4.79E-10	(.6 .0)	1424	4.42E-10	(.6 .0)	1426	5.31E-10	(.7 .0)
1430	6.18E-10	(.7 .0)	1432	4.89E-10	(.7 .0)	1434	4.93E-10	(.7 .0)	1436	5.34E-10	(.7 .0)
1440	4.15E-10	(.7 .0)	1442	4.25E-10	(.7 .0)	1444	5.07E-10	(.7 .0)	1446	4.84E-10	(.7 .0)
1450	5.53E-10	(.7 .0)	1452	4.98E-10	(.7 .0)	1454	4.97E-10	(.7 .0)	1456	4.99E-10	(.7 .0)
1460	5.20E-10	(.7 .0)	1462	5.54E-10	(.7 .0)	1464	5.22E-10	(.7 .0)	1466	5.56E-10	(.7 .0)
1470	4.05E-10	(.7 .0)	1472	4.67E-10	(.7 .0)	1474	4.90E-10	(.7 .0)	1476	5.21E-10	(.7 .0)
1480	4.11E-10	(.7 .0)	1482	4.47E-10	(.7 .0)	1484	4.46E-10	(.7 .0)	1486	4.43E-10	(.7 .0)
1490	4.35E-10	(.7 .0)	1492	4.87E-10	(.7 .0)	1494	4.47E-10	(.7 .0)	1496	4.07E-10	(.7 .0)
1500	4.34E-10	(.7 .0)	1502	4.62E-10	(.7 .0)	1504	4.17E-10	(.7 .0)	1506	3.70E-10	(.7 .0)
1510	4.00E-10	(.7 .0)	1512	3.94E-10	(.7 .0)	1514	3.59E-10	(.7 .0)	1516	3.41E-10	(.7 .0)
1520	3.30E-10	(.7 .0)	1522	3.31E-10	(.7 .0)	1524	3.37E-10	(.7 .0)	1526	3.36E-10	(.7 .0)
1530	2.92E-10	(.7 .0)	1532	2.74E-10	(.7 .0)	1534	2.96E-10	(.7 .0)	1536	2.78E-10	(.7 .0)
1540	3.25E-10	(.7 .0)	1542	3.38E-10	(.7 .0)	1544	2.86E-10	(.7 .0)	1546	2.74E-10	(.7 .0)
1550	2.93E-10	(.7 .0)	1552	2.84E-10	(.7 .0)	1554	2.73E-10	(.7 .0)	1556	2.60E-10	(.7 .0)
1560	2.71E-10	(.7 .0)	1562	3.06E-10	(.7 .0)	1564	3.82E-10	(.7 .0)	1566	3.67E-10	(.7 .0)
1570	2.92E-10	(.7 .0)	1572	2.81E-10	(.7 .0)	1574	3.60E-10	(.7 .0)	1576	4.06E-10	(.7 .0)
1580	3.85E-10	(.7 .0)	1582	3.51E-10	(.7 .0)	1584	3.74E-10	(.6 .0)	1586	4.17E-10	(.6 .0)
1590	3.85E-10	(.6 .0)	1592	3.86E-10	(.6 .0)	1594	3.93E-10	(.6 .0)	1596	3.94E-10	(.6 .0)
1600	4.59E-10	(.6 .0)	1602	4.70E-10	(.5 .0)	1604	4.61E-10	(.5 .0)	1606	4.67E-10	(.5 .0)
1610	3.59E-10	(.6 .0)	1612	3.14E-10	(.6 .0)	1614	3.19E-10	(.6 .0)	1616	3.86E-10	(.6 .3)
1620	4.34E-10	(.6 .8)	1622	4.56E-10	(.6 .8)	1624	4.74E-10	(.6 .3)	1626	4.98E-10	(.6 .8)
1630	4.55E-10	(.7 .5)	1632	4.82E-10	(.7 .3)	1634	4.80E-10	(.7 .4)	1636	4.58E-10	(.7 .2)
1640	4.73E-10	(.7 .3)	1642	4.54E-10	(.7 .7)	1644	4.29E-10	(.8 .4)	1646	4.32E-10	(.8 .1)
1650	4.64E-10	(.9 .2)	1652	4.58E-10	(.9 .2)	1654	4.28E-10	(.10 .5)	1656	4.19E-10	(.10 .7)
1660	4.31E-10	(.1 .2)	1662	4.35E-10	(.1 .2)	1664	3.93E-10	(.1 .2)	1666	3.92E-10	(.1 .2)
1670	4.06E-10	(.1 .4)	1672	4.06E-10	(.1 .4)	1674	4.17E-10	(.1 .5)	1676	4.48E-10	(.1 .2)
1680	4.74E-10	(.1 .1)	1682	4.55E-10	(.1 .1)	1684	4.45E-10	(.1 .7)	1686	4.28E-10	(.1 .1)
1690	4.55E-10	(.1 .1)	1692	4.66E-10	(.1 .1)	1694	4.69E-10	(.1 .1)	1696	4.75E-10	(.1 .1)
1700	4.64E-10	(.1 .2)	1702	4.26E-10	(.1 .1)	1704	3.96E-10	(.1 .1)	1706	3.89E-10	(.1 .2)
1710	3.70E-10	(.1 .2)	1712	3.66E-10	(.1 .2)	1714	3.79E-10	(.1 .2)	1716	3.97E-10	(.1 .1)
1720	4.14E-10	(.1 .2)	1722	4.22E-10	(.1 .2)	1724	4.16E-10	(.1 .1)	1726	3.96E-10	(.1 .1)
1730	3.75E-10	(.1 .2)	1732	3.85E-10	(.1 .1)	1734	3.93E-10	(.1 .1)	1736	3.93E-10	(.1 .2)
1740	3.95E-10	(.1 .1)	1742	3.93E-10	(.1 .1)	1744	4.03E-10	(.1 .1)	1746	3.93E-10	(.1 .1)
1750	3.65E-10	(.1 .1)	1752	3.60E-10	(.1 .1)	1754	3.60E-10	(.1 .1)	1756	3.62E-10	(.1 .1)
1760	3.78E-10	(.1 .1)	1762	3.76E-10	(.1 .1)	1764	3.60E-10	(.1 .1)	1766	3.44E-10	(.1 .1)
1770	3.64E-10	(.1 .1)	1772	3.78E-10	(.1 .1)	1774	3.73E-10	(.1 .1)	1776	3.57E-10	(.1 .1)
1780	3.34E-10	(.1 .1)	1782	3.30E-10	(.1 .1)	1784	3.27E-10	(.1 .1)	1786	3.28E-10	(.1 .1)
1790	3.38E-10	(.1 .1)	1792	3.37E-10	(.1 .1)	1794	3.31E-10	(.1 .2)	1796	3.25E-10	(.1 .2)
1800	3.32E-10	(.1 .1)	1802	3.39E-10	(.1 .2)	1804	3.42E-10	(.1 .2)	1806	3.46E-10	(.1 .3)
1810	3.46E-10	(.1 .4)	1812	3.44E-10	(.1 .4)	1814	3.44E-10	(.1 .4)	1816	3.70E-10	(.1 .5)
1820	3.54E-10	(.1 .4)	1822	3.48E-10	(.1 .4)	1824	3.39E-10	(.1 .4)	1826	3.35E-10	(.1 .4)
1830	3.31E-10	(.1 .6)	1832	3.49E-10	(.1 .6)	1834	3.50E-10	(.1 .6)	1836	3.49E-10	(.1 .6)
1840	3.35E-10	(.1 .6)	1842	3.42E-10	(.1 .7)	1844	3.20E-10	(.1 .6)	1846	3.11E-10	(.1 .5)
1850	3.11E-10	(.1 .6)	1852	3.22E-10	(.1 .6)	1854	2.90E-10	(.1 .6)	1856	3.00E-10	(.1 .6)
1860	2.99E-10	(.1 .6)	1862	2.92E-10	(.1 .7)	1864	2.95E-10	(.1 .7)	1866	2.83E-10	(.1 .7)
1870	2.63E-10	(.1 .6)	1872	2.57E-10	(.1 .6)	1874	2.64E-10	(.1 .6)	1876	2.64E-10	(.1 .6)
1880	2.75E-10	(.1 .7)	1882	2.66E-10	(.1 .7)	1884	2.49E-10	(.1 .7)	1886	2.38E-10	(.1 .7)
1890	2.60E-10	(.1 .6)	1892	2.57E-10	(.1 .6)	1894	2.45E-10	(.1 .6)	1896	2.44E-10	(.1 .6)
1900	2.77E-10	(.1 .7)	1902	2.74E-10	(.1 .6)	1904	2.65E-10	(.1 .6)	1906	2.78E-10	(.1 .6)
1910	2.53E-10	(.1 .6)	1912	2.45E-10	(.1 .7)	1914	2.47E-10	(.1 .7)	1916	2.42E-10	(.1 .7)
1920	2.31E-10	(.1 .6)	1922	2.26E-10	(.1 .6)	1924	2.16E-10	(.1 .7)	1926	2.11E-10	(.1 .7)
1930	2.28E-10	(.1 .7)	1932	2.33E-10	(.1 .6)	1934	2.29E-10	(.1 .6)	1936	2.34E-10	(.1 .6)
1940	2.35E-10	(.1 .6)	1942	2.24E-10	(.1 .6)	1944	2.17E-10	(.1 .6)	1946	2.07E-10	(.1 .6)
1950	1.98E-10	(.1 .6)	1952	2.03E-10	(.1 .6)	1954	2.17E-10	(.1 .6)	1956	2.17E-10	(.1 .6)
1960	1.11E-10	(.1 .6)	1962	2.06E-10	(.1 .5)	1964	2.03E-10	(.1 .5)	1966	1.99E-10	(.1 .5)
1970	1.97E-10	(.1 .5)	1972	2.04E-10	(.1 .5)	1974	2.08E-10	(.1 .5)	1976	2.07E-10	(.1 .5)
1980	1.93E-10	(.1 .6)	1982	1.88E-10	(.1 .6)	1984	1.85E-10	(.1 .6)	1986	1.84E-10	(.1 .6)
1990	1.92E-10	(.1 .5)	1992	1.94E-10	(.1 .5)	1994	1.92E-10	(.1 .5)	1996	1.87E-10	(.1 .5)
2000	1.73E-10	(.1 .5)	2002	1.71E-10	(.1 .5)	2004	1.72E-10	(.1 .5)	2006	1.76E-10	(.1 .5)
2010	1.77E-10	(.1 .5)	2012	1.77E-10	(.1 .5)	2014	1.78E-10	(.1 .5)	2016	1.76E-10	(.1 .5)
2020	1.70E-10	(.1 .5)	2022	1.65E-10	(.1 .5)	2024	1.72E-10	(.1 .5)	2026	1.70E-10	(.1 .5)
2030	1.65E-10	(.1 .5)	2032	1.65E-10	(.1 .5)	2034	1.65E-10	(.1 .5)	2036	1.64E-10	(.1 .5)
2040	1.66E-10	(.1 .5)	2042	1.65E-10	(.1 .5)	2044	1.62E-10	(.1 .5)	2046	1.60E-10	(.1 .5)
2050	1.58E-10	(.1 .5)	2052	1.52E-10	(.1 .5)	2054	1.46E-10	(.1 .5)	2056	1.44E-10	(.1 .5)
2060	1.49E-10	(.1 .5)	2062	1.46E-10	(.1 .5)	2064	1.37E-10	(.1 .5)	2066	1.34E-10	(.1 .5)
2070	1.33E-10	(.1 .4)	2072	1.34E-10	(.1 .4)	2074	1.35E-10	(.1 .4)	2076	1.37E-10	(.1 .4)
2080	1.33E-10	(.1 .4)	2082	1.30E-10	(.1 .4)	2084	1.29E-10	(.1 .4)	2086	1.32E-10	(.1 .4)
2090	1.21E-10	(.1 .3)	2092	1.24E-10	(.1 .3)	2094	1.21E-10	(.1 .3)	2096	1.18E-10	(.1 .3)
2100	1.21E-10	(.1 .3)	2102	1.17E-10	(.1 .3)	2104	1.11E-10	(.1 .3)	2106	1.07E-10	(.1 .3)
2110	1.11E-10	(.1 .3)	2112	1.14E-10	(.1 .3)	2114	1.15E-10	(.1 .3)	2116	1.16E-10	(.1 .2)
2120	1.16E-10	(.1 .2)	2122	1.13E-10	(.1 .2)	2124	1.09E-10	(.1 .2)	2126	1.04E-10	(.1 .3)
2130	9.98E-11	(.1 .3)	2132	9.94E-11	(.1 .3)	2134	9.95E-11	(.1 .3)	2136	1.00E-10	(.1 .3)
2140	1.01E-10	(.1 .2)	2142	1.00E-10	(.1 .2)	2144	9.87E-11	(.1 .2)	2146	9.66E-11	(.1 .3)
2150	9.36E-11	(.1 .3)	2152	9.29E-11	(.1 .2)	2154	9.20E-11	(.1 .2)	2156	9.13E-11	(.1 .2)
2160	9.07E-11	(.1 .2)	2162	9.02E-11	(.1 .2)	2164	8.98E-11	(.1 .2)	2166	8.95E-11	(.1 .2)
2170	8.98E-11	(.1 .2)	2172	8.89E-11	(.1 .2)	2174	8.73E-11	(.1 .2)	2176	8.50E-11	(.1 .2)
2180	8.09E-11	(.1 .2)	2182	7.95E-11	(.1 .2)	2184	7.90E-11	(.1 .2)	2186	7.91E-11	(.1 .2)
2190	8.09E-11	(.1 .2)	2192	7.91E-11	(.1 .2)	2194	7.96E-11	(.1 .2)	2196	8.09E-11	(.1 .2)
2200	8.42E-11	(.1 .1)	2202	8.40E-11	(.1 .1)	2204	8.09E-11	(.1 .1)	2206	7.77E-11	(.1 .1)
2210	7.50E-11	(.1 .1)	2212	7.32E-11	(.1 .1)	2214	7.22E-11	(.1 .1)	2216	7.16E-11	(.1 .1)
2220	7.07E-11	(.1 .1)	2222	6.96E-11	(.1 .1)	2224	6.85E-11	(.1 .1)	2226	6.94E-11	(.1 .1)
2230	7.25E-11	(.1 .0)	2232	6.92E-11	(.1 .1)	2234	6.50E-11	(.1 .1)	2236	6.33E-11	(.1 .1)
2240	6.47E-11	(.1 .1)	2242	6.46E-11	(.1 .1)	2244	6.35E-11	(.1 .1)	2246	6.18E-11	(.1 .1)
2250	5.84E-11	(.1 .1)	2252	5.69E-11	(.1 .1)	2254	5.55E-11	(.1 .1)	2256	5.39E-11	(.1 .1)
2260	4.97E-11	(.1 .1)	2262	4.77E-11	(.1 .1)	2264	4.60E-11	(.1 .1)	2266	4.50E-11	(.1 .0)
2270	4.38E-11	(.1 .0)	2272	4.38E-11	(.1 .0)	2274	4.40E-11	(.1 .0)	2276	4.44E-11	(.1 .0)
2280	4.51E-11	(.1 .0)	2282	4.55E-11	(.1 .0)	2284	4.59E-11	(.1 .0)	2286	4.66E-11	(.1 .0)
2290	4.95E-11	(.1 .0)	2292	5.16E-11	(.1 .0)	2294	5.38E-11	(.1 .0)	2296	5.59E-11	(.1 .0)
2300	5.87E-11	(.1 .0)	2302	5.96E-11	(.1 .0)	2304	6.04E-11	(.1 .0)	2306	6.04E-11	(.1 .0)
2310	0.00(0.0 0.0)		2312	0.00(0.0 0.0)		2314	2.24( .7 .0)		2316	2.72( .7 .0)	
2320	2.29(1.0 3.5)		2322	2.40(1.1 2.0)		2324	2.58(1.3 1.1)		2326	2.83(1.6 3.9)	
2330	3.21(1.5 .9)		2332	3.55(1.4 6.3)		2334	3.92(1.2 1.0)		2336	4.48(1.1 .1)	
2340	0.00(0.0 0.0)		2342	0.00(0.0 0.0)		2344	0.00(0.0 0.0)		2346	0.00(0.0 0.0)	
2350	0.00(0.0 0.0)		2352								



R = 0.41:



$$R = 0.62$$





X, Y (MM)	10.7	8.0	SL4- 84	16 SCANS, T= 225: HR 3350	WT .6, SCALE .96
X, Y (MM)	10.3	7.8	SL4- 85	17 SCANS, T= 77: HR 3350	WT .6, SCALE 1.03

 $R = \langle 0.74 \rangle$



[illegible] $R = 0.37$

HD 72737

HR 3386

HD 72737

LAMBDA, F (WT, SIG) F = AVE FLUX FROM LAM-DEL/2 TO LAM+DEL/2

2025, 0.00E-11(0.0 0.0)	2030, 0.00E-11(0.0 0.0)	2035, 0.00E-11(0.0 0.0)	2040, 0.00E-11(0.0 0.0)	2045U, 1.69E-11(0.4 0.0)
2050, 2.00E-11(0.3 0.0)	2055, 1.89E-11(0.3 0.0)	2060U, 1.58E-11(0.3 0.0)	2065U, 1.55E-11(0.3 0.0)	2070U, 1.53E-11(0.3 0.0)
2075U, 1.61E-11(0.3 0.0)	2080, 1.80E-11(0.4 0.0)	2085, 2.11E-11(0.5 0.0)	2090, 2.19E-11(0.7 0.0)	2095, 1.91E-11(0.5 0.0)
2100, 1.66E-11(0.4 0.0)	2105, 1.69E-11(0.4 0.0)	2110, 1.85E-11(0.5 0.0)	2115, 2.02E-11(0.6 0.0)	2120, 2.05E-11(0.6 0.0)
2125, 1.87E-11(0.6 0.0)	2130, 1.66E-11(0.5 0.0)	2135U, 1.59E-11(0.5 0.6)	2140U, 1.68E-11(0.5 3.9)	2145, 1.72E-11(0.5 7.7)
2150U, 1.66E-11(0.5 5.3)	2155U, 1.62E-11(0.5 3.3)	2160U, 1.59E-11(0.5 6.9)	2165U, 1.56E-11(0.5 11.9)	2170U, 1.62E-11(0.6 9.6)
2175, 1.67E-11(0.7 13.4)	2180, 1.68E-11(0.7 22.7)	2185, 1.73E-11(0.7 19.8)	2190, 1.88E-11(0.8 9.7)	2195, 2.01E-11(0.8 8.1)
2200, 2.03E-11(0.8 8.7)	2205, 2.03E-11(0.8 9.5)	2210, 1.97E-11(0.8 3.7)	2215, 1.88E-11(0.8 3.3)	2220, 1.87E-11(0.8 4.1)
2225, 1.92E-11(0.8 8.4)	2230, 1.89E-11(0.8 4.8)	2235, 1.87E-11(0.8 5.8)	2240, 1.89E-11(0.9 9.5)	2245, 1.94E-11(0.9 13.6)
2250, 2.02E-11(1.0 18.7)	2255, 2.16E-11(1.0 24.3)	2260, 2.22E-11(1.1 27.3)	2265, 2.21E-11(1.1 29.9)	2270, 2.16E-11(1.1 31.2)
2275, 2.02E-11(1.1 28.9)	2280, 1.89E-11(1.0 25.6)	2285, 1.81E-11(1.0 22.2)	2290, 1.87E-11(1.0 20.9)	2295, 2.01E-11(1.0 21.6)
2300, 2.10E-11(1.1 21.5)	2305, 2.11E-11(1.1 18.8)	2310, 2.07E-11(1.0 16.1)	2315, 2.08E-11(1.0 18.4)	0.00E-11(0.0 0.0)
2300, 2.09E-11(1.1 21.0)	2310, 2.09E-11(1.1 16.7)	2320, 2.09E-11(1.1 23.4)	2330, 1.87E-11(1.0 22.4)	2340, 1.65E-11(0.9 6.3)
2350, 1.53E-11(0.9 4.4)	2360, 1.55E-11(1.0 9.0)	2370, 1.74E-11(1.0 23.2)	2380, 1.79E-11(1.1 23.7)	2390, 1.76E-11(1.1 23.0)
2400, 1.79E-11(1.1 16.7)	2410, 1.85E-11(1.1 10.9)	2420, 1.93E-11(1.1 6.2)	2430, 1.97E-11(1.1 2.2)	2440, 1.92E-11(1.1 1.3)
2450, 1.84E-11(1.1 4.6)	2460, 1.86E-11(1.1 5.5)	2470, 1.87E-11(1.1 8.8)	2480, 1.84E-11(1.1 12.9)	2490, 1.87E-11(1.2 13.2)
2500, 1.93E-11(1.2 13.1)	2510, 1.92E-11(1.2 12.5)	2520, 1.79E-11(1.1 12.0)	2530, 1.65E-11(1.1 8.3)	2540, 1.62E-11(1.1 5.0)
2550, 1.70E-11(1.2 9.7)	2560, 1.84E-11(1.2 11.3)	2570, 1.88E-11(1.2 7.3)	2580, 1.84E-11(1.2 6.6)	2590, 1.74E-11(1.1 3.4)
2600, 1.64E-11(1.1 3.2)	2610, 1.59E-11(1.0 6.8)	2620, 1.60E-11(1.1 3.4)	2630, 1.66E-11(1.1 1.0)	2640, 1.72E-11(1.2 2.1)
2650, 1.73E-11(1.2 1.1)	2660, 1.72E-11(1.2 1.1)	2670, 1.68E-11(1.2 0.9)	2680, 1.65E-11(1.2 5.9)	2690, 1.64E-11(1.3 8.3)
2700, 1.72E-11(1.3 8.0)	2710, 1.81E-11(1.4 6.1)	2720, 1.84E-11(1.4 3.5)	2730, 1.81E-11(1.3 2.2)	2740, 1.79E-11(1.3 3.7)
2750, 1.79E-11(1.4 6.5)	2760, 1.82E-11(1.4 9.2)	2770, 1.83E-11(1.4 9.8)	2780, 1.83E-11(1.4 9.2)	2790, 1.81E-11(1.4 8.6)
2800, 1.80E-11(1.4 7.7)	2810, 1.81E-11(1.4 7.4)	2820, 1.83E-11(1.4 7.0)	2830, 1.84E-11(1.3 5.9)	2840, 1.88E-11(1.3 4.5)
2850, 1.92E-11(1.3 2.6)	2860, 1.93E-11(1.3 9.9)	2870, 1.93E-11(1.3 7.7)	2880, 1.92E-11(1.3 1.0)	2890, 1.94E-11(1.3 2.2)
2900, 1.99E-11(1.3 2.5)	2910, 2.06E-11(1.3 5.1)	2920, 2.08E-11(1.2 5.2)	2930, 2.07E-11(1.2 3.5)	2940, 2.03E-11(1.2 0.8)
2950, 2.00E-11(1.2 1.8)	2960, 2.01E-11(1.2 3.4)	2970, 2.03E-11(1.2 4.6)	2980, 2.07E-11(1.2 4.4)	2990, 2.10E-11(1.2 3.1)
3000, 2.11E-11(1.2 7.7)	3010, 2.09E-11(1.2 1.1)	3020, 2.06E-11(1.2 0.6)	3030, 2.03E-11(1.2 3.4)	0.00E-11(0.0 0.0)
3000, 2.10E-11(1.2 1.0)	3020, 2.06E-11(1.2 0.8)	3040, 2.04E-11(1.1 5.8)	3060, 2.14E-11(1.1 4.4)	3080, 2.24E-11(1.1 0.8)
3100, 2.19E-11(1.1 1.4)	3120, 2.11E-11(1.1 0.4)	3140, 2.19E-11(1.1 1.4)	3160, 2.26E-11(1.1 0.9)	3180, 2.31E-11(1.1 0.2)
3200, 2.40E-11(1.1 1.2)	3220, 2.45E-11(1.0 4.3)	3240, 2.45E-11(1.0 7.2)	3260, 2.47E-11(1.0 8.6)	3280, 2.48E-11(1.0 6.2)
3300, 2.41E-11(1.0 0.0)	3320, 2.32E-11(1.1 4.3)	3340, 2.28E-11(1.1 4.2)	3360, 2.32E-11(1.0 1.6)	3380, 2.38E-11(1.0 0.9)
3400, 2.42E-11(1.0 3.2)	3420, 2.40E-11(1.0 5.5)	3440, 2.33E-11(1.0 6.4)	3460, 2.25E-11(1.0 4.1)	3480, 2.17E-11(1.0 1.8)
3500, 2.10E-11(1.0 6.8)	3520, 2.00E-11(1.0 8.5)	3540, 1.93E-11(1.0 6.9)	3560, 1.92E-11(1.0 4.4)	3580, 1.92E-11(0.9 1.8)
3600, 1.96E-11(0.9 6.1)	3620, 1.99E-11(0.8 1.3)	3640, 2.01E-11(0.8 3.1)	3660, 2.04E-11(0.7 4.9)	3680, 2.10E-11(0.7 6.7)
3700, 2.18E-11(0.7 7.6)	3720, 2.29E-11(0.6 8.2)	3740, 2.39E-11(0.6 9.8)	3760, 2.48E-11(0.6 11.7)	3780, 2.56E-11(0.5 13.9)
3800, 2.65E-11(0.5 16.1)	3820, 2.75E-11(0.4 17.8)	3840, 2.84E-11(0.4 18.4)	3860, 2.92E-11(0.4 18.1)	3880, 2.98E-11(0.4 17.4)
3900, 2.99E-11(0.3 15.0)	3920, 2.98E-11(0.3 11.7)	3940, 2.95E-11(0.3 8.0)	3960, 2.89E-11(0.3 4.2)	3980E, 2.81E-11(0.3 0.0)
4000E, 2.73E-11(0.3 0.0)	4020E, 2.66E-11(0.3 0.0)	4040E, 2.61E-11(0.3 0.0)	0.00E-11(0.0 0.0)	0.00E-11(0.0 0.0)
135, 0.00(0.0 0.0)	139, 0.00(0.0 0.0)	148, 0.00(0.0 0.0)	154, 0.00(0.0 0.0)	161, 0.00(0.0 0.0)
166, 0.00(0.0 0.0)	172, 0.00(0.0 0.0)	181, 0.00(0.0 0.0)	192, 0.00(0.0 0.0)	204, 0.00(0.0 0.0)
219, 5.72(0.8 0.0)	245, 5.76(1.1 10.3)	280, 5.72(1.3 1.6)	360E, 5.43(0.3 0.0)	0.00(0.0 0.0)

X,Y(MM) 4.9 9.4 SL4- 84 19 SCANS, T= 225: HR 3386 WT .7, SCALE .87

X,Y(MM) 4.9 9.4 SL4- 85 18 SCANS, T= 77: HR 3386 WT .7, SCALE 1.19

R = &lt;0.74&gt;

$R = \langle 0.74 \rangle$





LAMBDA	F	(WT. SIG)	F	AVE FLUX FROM LAM-DEL/2 TO LAM-DEL/2	F	AVE FLUX FROM LAM-DEL/2 TO LAM-DEL/2	F	AVE FLUX FROM LAM-DEL/2 TO LAM-DEL/2	F	AVE FLUX FROM LAM-DEL/2 TO LAM-DEL/2	F	AVE FLUX FROM LAM-DEL/2 TO LAM-DEL/2		
1400.	4.33E-10	( 0. 0)	1432. 0.	( 0. 0)	1434. 0.	( 0. 0)	1436. 3.	8.9E-10	( 4. 0)	1438. 4.99E-10	( 4. 0)	1440. 6.01E-10	( 6. 0)	
1440.	4.33E-10	( 0. 0)	1442U 3.33E-10	( 4. 0)	1444. 3.78E-10	( 4. 0)	1446. 4.03E-10	( 5. 0)	1448. 6.01E-10	( 6. 0)	1450. 5.35E-10	( 6. 0)	1452. 5.35E-10	( 6. 0)
1460.	4.53E-10	( 0. 0)	1462. 4.17E-10	( 6. 0)	1464. 4.71E-10	( 6. 0)	1466. 4.72E-10	( 6. 0)	1468. 5.37E-10	( 6. 0)	1470. 5.03E-10	( 6. 0)	1472. 5.03E-10	( 6. 0)
1480.	6.10E-10	( 0. 0)	1482. 6.08E-10	( 6. 0)	1484. 5.83E-10	( 6. 0)	1486. 5.64E-10	( 6. 0)	1488. 6.00E-10	( 6. 0)	1490. 5.10E-10	( 6. 0)	1492. 5.10E-10	( 6. 0)
1500.	6.00E-10	( 0. 0)	1502. 5.88E-10	( 6. 0)	1504. 5.70E-10	( 6. 0)	1506. 5.52E-10	( 6. 0)	1508. 5.99E-10	( 6. 0)	1510. 5.79E-10	( 6. 0)	1512. 5.79E-10	( 6. 0)
1520.	6.46E-10	( 0. 0)	1522. 6.27E-10	( 6. 0)	1524. 6.68E-10	( 6. 0)	1526. 6.99E-10	( 6. 0)	1528. 6.49E-10	( 6. 0)	1530. 6.20E-10	( 6. 0)	1532. 6.20E-10	( 6. 0)
1540.	5.58E-10	( 0. 0)	1542. 5.21E-10	( 6. 0)	1544. 5.55E-10	( 6. 0)	1546. 5.77E-10	( 6. 0)	1548. 5.82E-10	( 6. 0)	1550. 6.18E-10	( 6. 0)	1552. 6.18E-10	( 6. 0)
1560.	5.94E-10	( 0. 0)	1562. 6.14E-10	( 6. 0)	1564. 6.21E-10	( 6. 0)	1566. 5.94E-10	( 6. 0)	1568. 5.99E-10	( 6. 0)	1570. 5.61E-10	( 6. 0)	1572. 5.61E-10	( 6. 0)
1580.	6.67E-10	( 0. 0)	1582. 6.84E-10	( 6. 0)	1584. 6.23E-10	( 6. 0)	1586. 6.08E-10	( 6. 0)	1588. 6.08E-10	( 6. 0)	1590. 5.75E-10	( 6. 0)	1592. 5.75E-10	( 6. 0)
1600.	5.00E-10	( 0. 0)	1602. 5.44E-10	( 6. 0)	1604. 6.11E-10	( 6. 0)	1606. 6.58E-10	( 6. 0)	1608. 6.51E-10	( 6. 0)	1610. 5.87E-10	( 6. 0)	1612. 5.87E-10	( 6. 0)
1620.	5.68E-10	( 0. 0)	1622. 5.74E-10	( 6. 0)	1624. 6.12E-10	( 6. 4)	1626. 6.23E-10	( 7. 5)	1628. 6.44E-10	( 7. 1)	1630. 5.92E-10	( 7. 1)	1632. 5.92E-10	( 7. 1)
1640.	6.24E-10	( 8. 13)	1642. 6.58E-10	( 8. 7)	1644. 6.65E-10	( 9. 2)	1646. 6.67E-10	( 9. 1)	1648. 6.40E-10	( 9. 2)	1650. 6.51E-10	( 10. 2)	1652. 6.51E-10	( 10. 2)
1660.	6.38E-10	( 9. 2)	1662. 6.62E-10	( 10. 1)	1664. 6.65E-10	( 10. 2)	1666. 6.67E-10	( 10. 2)	1668. 6.40E-10	( 10. 2)	1670. 6.51E-10	( 10. 2)	1672. 6.51E-10	( 10. 2)
1680.	6.94E-10	( 10. 1)	1682. 6.83E-10	( 10. 2)	1684. 6.22E-10	( 10. 2)	1686. 5.87E-10	( 12. 1)	1688. 5.98E-10	( 12. 6)	1690. 6.08E-10	( 12. 6)	1692. 6.08E-10	( 12. 6)
1700.	6.01E-10	( 12. 4)	1702. 6.03E-10	( 12. 7)	1704. 6.04E-10	( 12. 6)	1706. 5.95E-10	( 12. 6)	1708. 6.08E-10	( 12. 3)	1710. 5.28E-10	( 12. 3)	1712. 5.28E-10	( 12. 3)
1720.	6.29E-10	( 12. 6)	1722. 6.05E-10	( 12. 10)	1724. 5.90E-10	( 12. 9)	1726. 6.25E-10	( 12. 6)	1728. 5.28E-10	( 12. 6)	1730. 5.28E-10	( 12. 6)	1732. 5.28E-10	( 12. 6)
1740.	6.07E-10	( 12. 4)	1742. 5.70E-10	( 12. 9)	1744. 5.55E-10	( 12. 9)	1746. 5.40E-10	( 12. 6)	1748. 5.27E-10	( 12. 5)	1750. 5.28E-10	( 12. 5)	1752. 5.28E-10	( 12. 5)
1760.	5.27E-10	( 12. 3)	1762. 5.43E-10	( 12. 2)	1764. 5.48E-10	( 12. 1)	1766. 5.36E-10	( 12. 2)	1768. 5.28E-10	( 12. 1)	1770. 5.28E-10	( 12. 1)	1772. 5.28E-10	( 12. 1)
1780.	5.32E-10	( 11. 3)	1782. 5.45E-10	( 11. 3)	1784. 5.62E-10	( 11. 5)	1786. 5.68E-10	( 11. 7)	1788. 5.52E-10	( 1				

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X,Y(MM) -4.0 15.2 SL4- 84 16 SCANS, T= 225: HR 3442 WT .6,SCALE .93
X,Y(MM) -4.0 15.2 SL4- 85 16 SCANS, T= 77: HR 3442 WT .6,SCALE 1.05

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 $R = 0.69:$

LAMBDA	F	(WT, SIG)	F = AVE FLUX	FROM LAM-DEL/2	TO LAM-DEL/2
1380	1.04E-09	(.9 0.0)	1372	9.19E-10	(.9 0.0)
1380	1.01E-09	(.9 0.0)	1382	8.88E-10	(.9 0.0)
1390	1.03E-09	(.9 0.0)	1392	9.31E-10	(.9 0.0)
1400	1.09E-09	(.9 2.0)	1402	8.33E-10	(.9 1.6)
1410	9.76E-10	(.9 1.8)	1412	1.02E-09	(.9 2.8)
1420	1.07E-09	(.9 1.4)	1422	1.01E-09	(.9 1.1)
1430	1.15E-09	(1.0 1.4)	1432	1.17E-09	(1.0 5.5)
1440	1.16E-09	(.9 1.7)	1442	1.25E-09	(.9 5.3)
1450	1.16E-09	(1.3 17.8)	1452	2.8E-09	(1.2 6.3)
1460	1.29E-09	(1.4 9.3)	1462	1.35E-09	(1.4 12.7)
1470	1.15E-09	(1.4 5.1)	1472	1.16E-09	(1.4 3.6)
1480	1.13E-09	(1.5 4.8)	1482	1.02E-09	(1.5 2.6)
1490	1.04E-09	(1.5 3.1)	1492	1.04E-09	(1.5 2.4)
1500	9.95E-10	(1.5 12.5)	1502	9.96E-10	(1.5 11.5)
1510	9.95E-10	(1.5 12.5)	1512	9.96E-10	(1.5 11.5)
1520	1.09E-09	(1.5 6.5)	1522	1.15E-09	(1.5 4.1)
1530	9.94E-10	(1.5 10.0)	1532	9.63E-10	(1.5 13.7)
1540	9.77E-10	(1.5 7.2)	1542	1.02E-09	(1.5 7.1)
1550	1.10E-09	(1.4 3.1)	1552	1.01E-09	(1.4 12.1)
1560	1.12E-09	(1.4 2.4)	1562	1.15E-09	(1.4 5.2)
1570	1.07E-09	(1.5 8.6)	1572	1.03E-09	(1.4 5.2)
1580	1.29E-09	(1.4 1.0)	1582	1.15E-09	(1.3 6.4)
1590	1.29E-09	(1.3 7.9)	1592	1.25E-09	(1.3 5.7)
1600	1.26E-09	(1.3 7.9)	1602	1.24E-09	(1.3 5.7)
1610	1.23E-09	(1.2 3.5)	1612	1.20E-09	(1.2 4.4)
1620	1.39E-09	(1.2 3.8)	1622	1.32E-09	(1.2 10.6)
1630	1.46E-09	(1.2 3.8)	1632	1.47E-09	(1.2 2.5)
1640	1.43E-09	(1.2 6.8)	1642	1.45E-09	(1.2 3.2)
1650	1.39E-09	(1.2 1.3)	1652	1.41E-09	(1.2 9.1)
1660	1.39E-09	(1.2 9.3)	1662	1.41E-09	(1.2 9.1)
1670	1.63E-09	(1.1 9.9)	1672	1.70E-09	(1.1 9.9)
1680	1.52E-09	(1.2 12.8)	1682	1.53E-09	(1.2 11.5)
1690	1.54E-09	(1.1 6.4)	1692	1.52E-09	(1.1 8.2)
1700	1.37E-09	(1.1 3.0)	1702	1.39E-09	(1.1 2.3)
1710	1.43E-09	(1.1 8.2)	1712	1.46E-09	(1.1 5.2)
1720	1.43E-09	(1.1 14.3)	1722	1.48E-09	(1.1 2.3)
1730	1.43E-09	(1.2 22.0)	1732	1.48E-09	(1.1 15.4)
1740	1.23E-09	(1.1 9.6)	1742	1.24E-09	(1.1 6.5)
1750	1.18E-09	(1.1 10.5)	1752	1.30E-09	(1.1 12.0)
1760	1.19E-09	(1.0 4.2)	1762	1.20E-09	(1.1 7.5)
1770	1.19E-09	(1.1 9.7)	1772	1.16E-09	(1.1 8.2)
1780	1.15E-09	(1.1 8.0)	1782	1.19E-09	(1.1 9.8)
1790	1.15E-09	(1.1 8.0)	1792	1.19E-09	(1.1 9.8)
1800	1.12E-09	(1.0 10.7)	1802	1.12E-09	(1.0 8.1)
1810	1.23E-09	(1.0 9.0)	1812	1.21E-09	(1.0 7.1)
1820	1.13E-09	(.9 7.7)	1822	1.16E-09	(.9 9.9)
1830	1.13E-09	(1.0 10.3)	1805	1.16E-09	(1.0 9.1)
1825	1.17E-09	(1.0 4.2)	1830	1.15E-09	(.9 7.5)
1850	1.05E-09	(1.0 8.9)	1855	9.45E-09	(1.0 11.6)
1860	9.10E-10	(1.0 8.9)	1865	9.05E-09	(1.0 15.8)
1900	9.52E-10	(1.0 24.6)	1905	9.76E-10	(1.0 17.6)
1925	9.15E-10	(1.0 9.4)	1930	9.56E-10	(1.0 10.0)
1950	8.99E-10	(.9 14.7)	1955	9.28E-10	(.9 12.8)
1975E	8.74E-10	(.8 8.8)	1980E	9.09E-10	(.8 5.5)
2000E	8.26E-10	(.8 7.0)	2005E	8.42E-10	(.8 13.5)
2025E	8.22E-10	(.7 15.8)	2030E	8.39E-10	(.7 12.3

R = 1.41:

HD 74319

HD 74319

HD 74319

LAMBDA, F (WT, SIG) F = AVE FLUX FROM LAM-DEL/2 TO LAM+DEL/2

1720, 1.06E-10(.4 0.0)	1722, 1.13E-10(.4 0.0)	1724, 1.04E-10(.4 0.0)	1726U, 9.86E-11(.4 0.0)	1728, 1.04E-10(.3 0.0)
1730, 9.85E-11(.4 0.0)	1732U, 9.37E-11(.4 0.0)	1734, 1.06E-10(.4 0.0)	1736, 1.02E-10(.4 0.0)	1738U, 8.41E-11(.3 0.0)
1740U, 8.51E-11(.3 0.0)	1742, 1.03E-10(.4 0.0)	1744, 1.18E-10(.5 0.0)	1746, 1.24E-10(.6 0.0)	1748, 1.25E-10(.6 0.0)
1750, 1.10E-10(.5 0.0)	1752U, 8.69E-11(.4 0.0)	1754U, 7.93E-11(.3 0.0)	1756, 9.45E-11(.4 0.0)	1758, 1.15E-10(.5 0.0)
1760, 1.28E-10(.7 0.0)	1762, 1.33E-10(.7 0.0)	1764, 1.31E-10(.7 0.0)	1766, 1.20E-10(.7 0.0)	1768, 1.09E-10(.6 0.0)
1770, 1.01E-10(.5 0.0)	1772, 9.40E-11(.5 0.0)	1774, 9.28E-11(.5 0.0)	1776, 9.96E-11(.6 0.0)	1778, 1.01E-10(.6 0.0)
1780, 9.93E-11(.6 0.0)	1782, 1.02E-10(.7 0.0)	1784, 1.12E-10(.7 0.0)	1786, 1.17E-10(.7 0.0)	1788, 1.06E-10(.7 0.0)
1790, 9.31E-11(.6 0.0)	1792, 9.27E-11(.6 0.0)	1794, 1.07E-10(.7 0.0)	1796, 1.25E-10(.7 0.0)	1798, 1.33E-10(.6 0.0)
1800, 1.33E-10(.6 0.0)	1802, 1.32E-10(.6 0.0)	1804, 1.32E-10(.6 0.0)	1806, 1.29E-10(.6 0.0)	1808, 1.25E-10(.6 0.0)
1810, 1.18E-10(.6 0.0)	1812, 1.13E-10(.6 0.0)	1814, 1.10E-10(.6 0.0)	1816, 1.07E-10(.7 0.0)	1818, 9.83E-11(.7 0.0)
1820, 8.92E-11(.7 0.0)	1822, 8.62E-11(.6 0.0)	1824, 9.36E-11(.7 0.0)	1826, 1.05E-10(.7 0.0)	0, 0.0(0.0 0.0)
1800, 1.33E-10(.6 0.0)	1805, 1.30E-10(.6 0.0)	1810, 1.19E-10(.6 0.0)	1815, 1.09E-10(.7 0.0)	1820, 9.04E-11(.7 0.0)
1825, 9.86E-11(.7 0.0)	1830, 1.23E-10(.6 0.0)	1835, 1.48E-10(.6 0.0)	1840, 1.33E-10(.6 0.0)	1845, 1.22E-10(.6 0.0)
1850, 1.19E-10(.6 0.0)	1855, 1.02E-10(.6 0.0)	1860, 1.15E-10(.6 0.0)	1865, 1.27E-10(.6 0.0)	1870, 1.23E-10(.6 0.0)
1875, 1.19E-10(.6 0.0)	1880, 1.27E-10(.6 0.0)	1885, 1.10E-10(.6 0.0)	1890, 9.60E-11(.6 0.0)	1895, 9.14E-11(.6 0.0)
1900, 9.78E-11(.6 0.0)	1905, 1.07E-10(.6 0.0)	1910, 1.25E-10(.6 0.0)	1915, 1.20E-10(.6 0.0)	1920, 1.04E-10(.6 0.0)
1925, 1.05E-10(.6 0.0)	1930, 1.04E-10(.6 0.0)	1935, 9.21E-11(.6 0.0)	1940, 1.01E-10(.6 0.0)	1945, 1.20E-10(.6 0.0)
1950, 1.21E-10(.6 0.0)	1955, 1.16E-10(.6 0.0)	1960, 1.13E-10(.6 0.0)	1965, 1.20E-10(.6 0.0)	1970, 1.16E-10(.6 0.0)
1975, 1.10E-10(.6 0.0)	1980, 1.09E-10(.6 0.0)	1985, 1.06E-10(.6 0.0)	1990, 1.06E-10(.6 0.0)	1995, 1.07E-10(.5 0.0)
2000, 1.04E-10(.6 0.0)	2005, 9.04E-11(.6 0.0)	2010, 9.00E-11(.5 0.0)	2015, 1.02E-10(.5 0.0)	2020, 1.10E-10(.5 0.0)
2025, 1.11E-10(.5 0.0)	2030, 1.06E-10(.5 0.0)	2035, 9.99E-11(.5 0.0)	2040, 9.02E-11(.5 0.0)	2045, 8.21E-11(.6 0.0)
2050, 8.18E-11(.6 0.0)	2055, 8.22E-11(.6 0.0)	2060, 8.35E-11(.5 0.0)	2065, 8.50E-11(.5 0.0)	2070, 8.74E-11(.5 0.0)
2075, 9.43E-11(.5 0.0)	2080, 9.72E-11(.5 0.0)	2085, 9.11E-11(.5 0.0)	2090, 8.49E-11(.5 0.0)	2095, 8.07E-11(.5 0.0)
2100, 8.02E-11(.5 0.0)	2105, 8.57E-11(.5 0.0)	2110, 9.05E-11(.5 0.0)	2115, 9.04E-11(.4 0.0)	2120, 8.83E-11(.4 0.0)
2125, 8.34E-11(.5 0.0)	2130, 7.93E-11(.5 0.0)	2135, 7.68E-11(.5 0.0)	2140, 7.64E-11(.5 0.0)	2145, 7.57E-11(.5 0.0)
2150, 7.54E-11(.5 0.0)	2155, 7.46E-11(.5 0.0)	2160, 7.31E-11(.5 0.0)	2165, 7.21E-11(.4 0.0)	2170, 7.19E-11(.4 0.0)
2175, 7.21E-11(.4 0.0)	2180, 7.25E-11(.4 0.0)	2185, 7.23E-11(.4 0.0)	2190, 7.21E-11(.4 0.0)	2195, 7.22E-11(.4 0.0)
2200, 7.09E-11(.4 0.0)	2205, 6.91E-11(.4 0.0)	2210, 6.81E-11(.4 0.0)	2215, 6.70E-11(.4 0.0)	2220, 6.40E-11(.4 0.0)
2225, 6.13E-11(.4 0.0)	2230, 6.20E-11(.4 0.0)	2235, 6.59E-11(.4 0.0)	2240, 6.97E-11(.4 0.0)	2245, 6.94E-11(.4 0.0)
2250, 6.56E-11(.4 0.0)	2255, 6.24E-11(.4 0.0)	2260, 5.99E-11(.4 0.0)	2265, 5.96E-11(.4 0.0)	2270, 6.07E-11(.4 0.0)
2275, 6.11E-11(.4 0.0)	2280, 5.91E-11(.4 0.0)	2285, 5.63E-11(.4 0.0)	2290, 5.43E-11(.4 0.0)	2295, 5.37E-11(.4 0.0)
2300, 5.36E-11(.4 0.0)	2305, 5.40E-11(.4 0.0)	2310, 5.59E-11(.4 0.0)	2315, 5.86E-11(.3 0.0)	0, 0.0(0.0 0.0)
2300, 5.26E-11(.4 0.0)	2310, 5.62E-11(.4 0.0)	2320, 5.96E-11(.4 0.0)	2330, 5.42E-11(.4 0.0)	2340, 5.46E-11(.3 0.0)
2350E, 5.86E-11(.3 0.0)	2360, 5.47E-11(.3 0.0)	2370, 5.07E-11(.3 0.0)	2380, 5.33E-11(.3 0.0)	2390E, 5.19E-11(.3 0.0)
2400E, 4.94E-11(.3 0.0)	2410E, 5.36E-11(.3 0.0)	2420E, 5.57E-11(.3 0.0)	2430E, 5.54E-11(.3 0.0)	2440E, 5.39E-11(.3 0.0)
2450E, 5.24E-11(.3 0.0)	2460E, 5.00E-11(.3 0.0)	2470E, 4.98E-11(.3 0.0)	2480E, 5.04E-11(.3 0.0)	2490E, 5.04E-11(.3 0.0)
2500E, 4.83E-11(.3 0.0)	2510E, 4.75E-11(.3 0.0)	2520E, 4.85E-11(.3 0.0)	2530E, 4.96E-11(.3 0.0)	2540E, 4.75E-11(.3 0.0)
2550E, 4.49E-11(.3 0.0)	2560E, 4.29E-11(.3 0.0)	2570E, 4.15E-11(.3 0.0)	2580E, 4.12E-11(.3 0.0)	2590E, 4.14E-11(.3 0.0)
2600E, 4.13E-11(.3 0.0)	2610E, 4.24E-11(.2 0.0)	2620E, 4.25E-11(.2 0.0)	2630E, 4.21E-11(.2 0.0)	2640E, 4.15E-11(.2 0.0)
2650E, 4.15E-11(.2 0.0)	2660E, 4.34E-11(.2 0.0)	2670E, 4.54E-11(.2 0.0)	2680E, 4.47E-11(.2 0.0)	2690E, 4.39E-11(.2 0.0)
2700E, 4.24E-11(.2 0.0)	2710E, 4.00E-11(.2 0.0)	2720E, 3.87E-11(.2 0.0)	2730E, 3.97E-11(.2 0.0)	2740E, 4.03E-11(.2 0.0)
2750E, 4.00E-11(.2 0.0)	2760E, 3.70E-11(.2 0.0)	2770E, 3.46E-11(.2 0.0)	2780E, 3.38E-11(.2 0.0)	2790E, 3.39E-11(.2 0.0)
2800E, 3.36E-11(.2 0.0)	2810E, 3.30E-11(.2 0.0)	2820E, 3.29E-11(.2 0.0)	2830E, 3.25E-11(.2 0.0)	2840E, 3.32E-11(.2 0.0)
2850E, 3.35E-11(.2 0.0)	2860E, 3.39E-11(.2 0.0)	2870E, 3.42E-11(.2 0.0)	2880E, 3.55E-11(.2 0.0)	2890E, 3.65E-11(.1 0.0)
2900E, 3.61E-11(.1 0.0)	2910E, 3.61E-11(.1 0.0)	2920E, 3.52E-11(.1 0.0)	2930E, 3.44E-11(.1 0.0)	2940E, 3.41E-11(.1 0.0)
2950E, 3.37E-11(.1 0.0)	2960E, 3.52E-11(.1 0.0)	2970E, 3.55E-11(.1 0.0)	2980E, 3.53E-11(.1 0.0)	2990E, 3.54E-11(.1 0.0)
135, 0.00(0.0 0.0)	139, 0.00(0.0 0.0)	148, 0.00(0.0 0.0)	154, 0.00(0.0 0.0)	161, 0.00(0.0 0.0)
166, 0.00(0.0 0.0)	172, 0.00(0.0 0.0)	181, 3.78(.6 0.0)	192, 3.79(.6 0.0)	204, 3.96(.5 0.0)
219, 4.29(.4 0.0)	245E, 4.65(.3 0.0)	280, 0.00(0.0 0.0)	360, 0.00(0.0 0.0)	0, 0.00(0.0 0.0)

X,Y(MM) 11.1 -5.1 SL4- 76 22 SCANS, T= 225: HD 74319 WT .7,SCALE 1.00

R = 0.42:

[illegible]

LAMBDA	F	(WT, SIG)	F = AVE FLUX	FROM LAM-DEL/2	TO LAM+DEL/2									
1490	5.74E-10	(.5 0.0)	1492	5.98E-10	(.5 0.0)	1494	6.02E-10	(.5 0.0)	1496	6.04E-10	(.5 0.0)	1498	6.25E-10	(.6 0.0)
1500	7.24E-10	(.7 0.0)	1502	7.41E-10	(.7 1.4)	1504	6.99E-10	(.7 2.4)	1506	7.00E-10	(.7 1.2)	1508	6.50E-10	(.7 .2)
1510	7.04E-10	(.7 1.9)	1512	7.70E-10	(.7 .8)	1514	7.91E-10	(.8 6.8)	1516	7.81E-10	(.8 17.8)	1518	7.86E-10	(.8 20.2)
1520	7.74E-10	(.8 22.1)	1522	7.79E-10	(.8 11.7)	1524	7.83E-10	(.8 3.3)	1526	7.28E-10	(.8 7.5)	1528	7.26E-10	(.8 2.4)
1530	7.22E-10	(.8 5.0)	1532	7.57E-10	(.9 2.9)	1534	7.93E-10	(.9 2.3)	1536	7.71E-10	(.9 8.5)	1538	7.90E-10	(.9 10.7)
1540	7.91E-10	(.9 .3)	1542	8.06E-10	(.9 13.9)	1544	7.95E-10	(.8 9.4)	1546	7.16E-10	(.9 11.9)	1548	7.43E-10	(.9 12.7)
1550	7.58E-10	(.9 .4)	1552	7.23E-10	(.9 7.3)	1554	7.19E-10	(.9 11.8)	1556	7.75E-10	(.10 3.6)	1558	7.74E-10	(.10 5.2)
1560	7.69E-10	(.10 2.3)	1562	7.23E-10	(.10 7.9)	1564	7.35E-10	(.9 3.5)	1566	7.39E-10	(.9 13.4)	1568	8.43E-10	(.9 13.8)
1570	9.09E-10	(.9 22.6)	1572	8.74E-10	(.9 20.1)	1574	8.86E-10	(.10 6.5)	1576	8.54E-10	(.11 5.6)	1578	8.48E-10	(.11 6.0)
1580	9.03E-10	(.12 .9)	1582	9.74E-10	(.12 2.2)	1584	9.68E-10	(.12 1.9)	1586	8.53E-10	(.12 .1)	1588	9.02E-10	(.12 .5)
1590	9.19E-10	(.12 .7)	1592	9.06E-10	(.12 2.1)	1594	8.75E-10	(.12 4.1)	1596	9.44E-10	(.12 2.2)	1598	9.83E-10	(.13 3.7)
1600	1.03E-09	(.14 1.5)	1602	1.03E-09	(.14 5.5)	1604	1.04E-09	(.14 4.7)	1606	9.62E-10	(.14 .7)	1608	9.51E-10	(.14 4.0)
1610	9.55E-10	(.14 5.5)	1612	9.48E-10	(.14 5.3)	1614	1.00E-09	(.14 7.5)	1616	1.05E-09	(.14 10.2)	1618	1.06E-09	(.14 13.9)
1620	9.73E-10	(.14 11.6)	1622	9.90E-10	(.14 .8)	1624	1.10E-09	(.14 9.2)	1626	1.07E-09	(.14 3.8)	1628	1.03E-09	(.14 2.3)
1630	1.06E-09	(.14 7.2)	1632	1.08E-09	(.14 9.3)	1634	1.06E-09	(.14 9.7)	1636	1.01E-09	(.14 5.6)	1638	1.01E-09	(.14 .5)
1640	1.05E-09	(.14 4.7)	1642	1.05E-09	(.14 10.6)	1644	1.06E-09	(.14 14.4)	1646	1.04E-09	(.14 14.4)	1648	9.96E-10	(.14 12.9)
1650	1.00E-09	(.14 11.1)	1652	1.04E-09	(.14 5.5)	1654	1.10E-09	(.14 4.5)	1656	1.11E-09	(.14 10.7)	1658	1.06E-09	(.14 12.5)
1660	1.09E-09	(.14 7.9)	1662	1.07E-09	(.14 4.4)	1664	1.02E-09	(.14 3.5)	1666	1.03E-09	(.14 4.9)	1668	1.05E-09	(.14 2.2)
1670	1.07E-09	(.14 1.9)	1672	1.14E-09	(.14 6.8)	1674	1.19E-09	(.14 8.6)	1676	1.21E-09	(.14 7.2)	1678	1.27E-09	(.14 2.3)
1680	1.27E-09	(.13 2.7)	1682	1.24E-09	(.13 3.2)	1684	1.21E-09	(.14 1.2)	1686	1.09E-09	(.14 .3)	1688	1.04E-09	(.14 9.2)
1690	1.06E-09	(.14 5.9)	1692	1.09E-09	(.14 5.1)	1694	1.12E-09	(.14 9.9)	1696	1.15E-09	(.14 8.1)	1698	1.13E-09	(.14 4.7)
1700	1.10E-09	(.13 5.5)	1702	1.13E-09	(.13 2.5)	1704	1.16E-09	(.13 6.3)	1706	1.16E-09	(.13 2.2)	1708	1.18E-09	(.13 2.7)
1710	1.19E-09	(.13 3.1)	1712	1.17E-09	(.13 1.5)	1714	1.18E-09	(.13 .2)	1716	1.20E-09	(.13 2.8)	1718	1.24E-09	(.12 6.0)
1720	1.28E-09	(.12 9.8)	1722	1.29E-09	(.12 11.3)	1724	1.22E-09	(.12 9.7)	1726	1.15E-09	(.12 6.2)	1728	1.14E-09	(.12 5.4)
1730	1.16E-09	(.12 9.2)	1732	1.15E-09	(.12 11.0)	1734	1.10E-09	(.12 10.0)	1736	1.08E-09	(.12 6.0)	1738	1.10E-09	(.12 2.8)
1740	1.14E-09	(.12 3.2)	1742	1.14E-09	(.12 3.6)	1744	1.13E-09	(.12 5.8)	1746	1.14E-09	(.12 9.2)	1748	1.16E-09	(.12 9.6)
1750	1.19E-09	(.12 5.7)	1752	1.19E-09	(.12 3.6)	1754	1.17E-09	(.12 5.7)	1756	1.13E-09	(.12 9.7)	1758	1.09E-09	(.12 11.3)
1760	1.09E-09	(.12 8.2)	1762	1.11E-09	(.12 5.0)	1764	1.13E-09	(.12 5.3)	1766	1.16E-09	(.12 7.8)	1768	1.16E-09	(.12 8.2)
1770	1.12E-09	(.13 6.4)	1772	1.16E-09	(.13 4.0)	1774	1.15E-09	(.13 1.7)	1776	1.13E-09	(.13 1.1)	1778	1.19E-09	(.13 .9)
1780	1.22E-09	(.11 5.5)	1782	1.25E-09	(.11 5.8)	1784	1.26E-09	(.11 6.6)	1786	1.25E-09	(.11 4.3)	1788	1.22E-09	(.11 2.3)
1790	1.20E-09	(.11 3.9)	1792	1.19E-09	(.11 7.6)	1794	1.22E-09	(.11 12.1)	1796	1.27E-09	(.11 13.9)	1798	1.32E-09	(.11 13.0)
1800	1.33E-09	(.10 12.2)	1802	1.29E-09	(.10 12.1)	1804	1.22E-09	(.10 11.5)	1806	1.19E-09	(.10 12.5)	1808	1.20E-09	(.10 15.1)
1810	1.24E-09	(.10 16.1)	1812	1.25E-09	(.10 15.2)	1814	1.24E-09	(.10 12.3)	1816	1.22E-09	(.10 9.9)	1818	1.22E-09	(.10 8.0)
1820	1.22E-09	(.10 7.6)	1822	1.21E-09	(.10 6.9)	1824	1.19E-09	(.10 6.6)	1826	1.21E-09	(.10 8.0)	0	0	(.00 0.0)
1800	1.31E-09	(.10 12.7)	1805	1.20E-09	(.10 12.3)	1810	1.24E-09	(.10 15.9)	1815	1.24E-09	(.10 11.3)	1820	1.22E-09	(.10 7.6)
1825	1.20E-09	(.10 6.8)	1830	1.27E-09	(.10 15.4)	1835	1.19E-09	(.10 15.0)	1840	1.18E-09	(.10 6.9)	1845	1.21E-09	(.10 6.1)
1850	1.24E-09	(.10 6.8)	1855	1.23E-09	(.10 4.9)	1860	1.17E-09	(.10 3.8)	1865	1.15E-09	(.10 8.3)	1870	1.20E-09	(.10 8.0)
1875	1.13E-09	(.9 10.6)	1880	1.17E-09	(.9 12.4)	1885	1.14E-09	(.9 5.8)	1890	1.09E-09	(.9 10.5)	1895	1.15E-09	(.9 10.5)
1900	1.17E-09	(.9 9.2)	1905	1.11E-09	(.9 11.2)	1910	1.12E-09	(.9 8.4)	1915	1.13E-09	(.9 1.8)	1920	1.17E-09	(.9 1.8)
1925	1.21E-09	(.9 4.4)	1930	1.17E-09	(.8 3.4)	1935	1.17E-09	(.8 5.8)	1940	1.21E-09	(.8 13.5)	1945	1.16E-09	(.8 16.9)
1950	1.07E-09	(.8 14.3)	1955	1.18E-09	(.8 4.9)	1960	1.27E-09	(.8 1.4)	1965	1.26E-09	(.8 4.4)	1970	1.24E-09	(.8 3.0)
1975	1.17E-09	(.8 13.4)	1980	1.17E-09	(.8 14.8)	1985	1.18E-09	(.8 9.5)	1990	1.09E-09	(.8 .9)	1995	1.14E-09	(.8 5.7)
2000	1.20E-09	(.7 7.2)	2005	1.21E-09	(.7 4.0)	2010E	1.25E-09	(.7 4.4)	2015E	1.28E-09	(.6 1.0)	2020E	1.25E-09	(.6 4.4)
2025E	1.19E-09	(.6 .3)	2030E	1.13E-09	(.6 .1)	2035E	1.18E-09	(.6 6.0)	2040E	1.24E-09	(.6 2.2)	2045E	1.21E-09	(.6 12.1)
2050E	1.21E-09	(.6 14.0)	2055E	1.24E-09	(.6 2.3)	2060E	1.25E-09	(.5 1.9)	2065E	1.24E-09	(.5 9.9)	2070E	1.27E-09	(.5 12.2)
2075E	1.28E-09	(.5 12.2)	2080E	1.32E-09	(.5 13.6)	2085E	1.38E-09	(.4 7.0)	2090E	1.38E-09	(.4 4.5)	2095E	1.34E-09	(.4 7.7)
2100E	1.28E-09	(.4 1.1)	2105E	1.29E-09	(.4 2.0)	2110E	1.40E-09	(.4 .3)	2115E	1.40E-09	(.4 2.3)	2120E	1.22E-09	(.4 9.6)
2125E	1.12E-09	(.4 14.2)	2130E	1.11E-09	(.4 16.0)	2135E	1.11E-09	(.4 17.5)	2140E	1.13E-09	(.4 21.1)	2145E	1.14E-09	(.4 25.4)
2150E	1.12E-09	(.4 26.7)	2155E	1.16E-09	(.4 24.1)	2160E	1.24E-09	(.4 24.4)	2165E	1.23E-09	(.4 27.5)	2170E	1.16E-09	(.4 29.2)
2175E	1.12E-09	(.4 27.5)	2180E	1.17E-09	(.4 18.5)	2185E	1.25E-09	(.3 6.7)	2190E	1.23E-09	(.3 1.1)	2195E	1.15E-09	(.3 7.5)
2200E	1.07E-09	(.4 21.3)	2205E	9.93E-10	(.4 30.6)	2210E	9.80E-10	(.4 34.3)	2215E	9.93E-10	(.4 34.6)	2220E	9.60E-10	(.4 31.2)
2225E	8.88E-10	(.4 25.1)	2230E	8.13E-10	(.4 20.8)	2235E	7.56E-10	(.4 17.1)	2240E	7.42E-10	(.4 9.2)	2245E	7.89E-10	(.4 .6)
2250E	9.09E-10	(.4 .9)	2255E	1.10E-09	(.3 8.9)	2260E	1.26E-09	(.3 18.5)	2265E	1.24E-09	(.3 26.2)	2270E	1.04E-09	(.3 31.0)
2275E	8.70E-10	(.4 32.0)	2280E	8.00E-10	(.4 28.8)	2285E	7.86E-10	(.4 23.8)	2290E	7.83E-10	(.4 19.3)	2295E	7.92E-10	(.4 16.6)
2300E	8.07E-10	(.4 17.1)	2305E	8.01E-10	(.4 21.3)	2310E	7.56E-10	(.4 24.9)	2315E	6.97E-10	(.4 23.7)	0	0	(.00 0.0)
2300E	7.99E-10	(.4 17.9)	2310E	7.55E-10	(.4 24.2)	2320E	6.62E-10	(.4 19.3)	2330E	6.39E-10	(.4 16.4)	2340E	6.66E-10	(.4 25.0)
2350E	6.64E-10	(.4 33.6)	2360E	6.91E-10	(.4 35.5)	2370E	7.87E-10	(.3 28.4)	2380E	7.50E-10	(.3 12.7)	2390E	6.39E-10	(.4 6.3)
2400E	5.78E-10	(.4 12.6)	2410E	5.98E-10	(.4 22.4)	2420E	5.85E-10	(.4 21.4)	2430E	6.09E-10	(.4 18.9)	2440E	6.25E-10	(.4 22.6)
2450E	5.76E-10	(.3 19.1)	2460E	5.77E-10	(.3 10.6)	2470E	5.89E-10	(.3 10.1)	2480E	5.54E-10	(.3 11.5)	2490E	5.32E-10	(.3 12.9)
2500E	5.69E-10	(.3 11.7)	2510E	6.57E-10	(.3 15.2)	2520E	6.82E-10	(.3 27.4)	2530E	5.95E-10	(.3 37.4)	2540E	5.45E-10	(.3 37.5)
2550E	5.69E-10	(.3 31.6)	2560E	5.76E-10	(.3 25.7)	2570E	5.23E-10	(.3 25.7)	2580E	4.78E-10	(.3 31.3)	2590E	4.51E-10	(.3 34.3)
2600E	4.32E-10	(.3 35.6)	2610E	4.43E-10	(.3 37.7)	2620E	4.67E-10	(.3 38.3)	2630E	4.82E-10	(.3 36.5)	2640E	4.83E-10	(.3 35.0)
2650E	5.01E-10	(.3 34.9)	2660E	5.48E-10	(.2 34.4)	2670E	5.86E-10	(.2 30.9)	2680E	5.48E-10	(.2 26.8)	2690E	5.15E-10	(.2 27.8)
2700E	4.99E-10	(.2 31.4)	2710E	4.62E-10	(.2 32.5)	2720E	4.20E-10	(.2 32.2)	2730E	4.10E-10	(.2 30.7)	2740E	4.33E-10	(.2 27.3)
2750E	4.66E-10	(.2 22.7)	2760E	4.85E-10	(.2 18.0)	2770E	4.80E-10	(.2 15.6)	2780E	4.67E-10	(.2 17.1)	2790E	4.60E-10	(.2 21.0)
135	0.00(0.0 0.0)		139	0.00(0.0 0.0)		148	0.00(0.0 0.0)		154	1.70(.9 2.1)		161	1.40(1.4 4.1)	
166	1.30(1.4 6.4)		172	1.24(1.2 3.7)		181	1.18(1.0 8.2)		192	1.23(.9 6.7)		204E	1.17(.6 1.2)	
219E	1.34(.4 20.3)		245E	1.96(.3 24.1)		280	0.00(0.0 0.0)		360	0.00(0.0 0.0)		0	0.00(0.0 0.0)	

X,Y(MM) -15.4 4.7 SL4- 84 19 SCANS, T= 225: DEL VEL WT .7, SCALE 1.03  
 X,Y(MM) -15.4 4.7 SL4- 85 20 SCANS, T= 77: DEL VEL WT .7, SCALE .97

R = (0.71)

HD 75241

HD 75241

HD 75241

LAMBDA, F (WT, SIG) F = AVE FLUX FROM LAM-DEL/2 TO LAM+DEL/2

1600, 1.96E-10(.6 0.0)	1602, 2.27E-10(.6 0.0)	1604, 2.48E-10(.6 0.0)	1606, 2.55E-10(.6 0.0)	1608, 2.55E-10(.6 0.0)
1610, 2.28E-10(.6 0.0)	1612, 2.03E-10(.6 0.0)	1614, 1.97E-10(.5 0.0)	1616, 1.89E-10(.5 0.0)	1618, 1.70E-10(.5 0.0)
1620, 1.79E-10(.5 0.0)	1622, 2.09E-10(.6 0.0)	1624, 2.26E-10(.6 0.0)	1626, 2.21E-10(.6 0.0)	1628, 2.27E-10(.6 0.0)
1630, 2.44E-10(.6 0.0)	1632, 2.49E-10(.6 0.0)	1634, 2.62E-10(.6 0.0)	1636, 2.70E-10(.6 0.0)	1638, 2.64E-10(.6 0.0)
1640, 2.44E-10(.6 0.0)	1642, 2.21E-10(.6 0.0)	1644, 1.92E-10(.7 0.0)	1646, 2.01E-10(.7 0.0)	1648, 2.11E-10(.6 0.0)
1650, 1.95E-10(.6 0.0)	1652, 1.82E-10(.6 0.0)	1654, 1.95E-10(.7 0.0)	1656, 2.17E-10(.6 0.0)	1658, 2.22E-10(.6 0.0)
1660, 2.20E-10(.6 0.0)	1662, 2.42E-10(.5 0.0)	1664, 2.82E-10(.5 0.0)	1666, 3.01E-10(.5 0.0)	1668, 2.90E-10(.5 0.0)
1670, 2.77E-10(.5 0.0)	1672, 2.60E-10(.5 0.0)	1674, 2.27E-10(.5 0.0)	1676, 1.89E-10(.5 0.0)	1678, 1.65E-10(.6 0.0)
1680, 1.67E-10(.6 0.0)	1682, 1.86E-10(.5 0.0)	1684, 2.08E-10(.5 0.0)	1686, 2.12E-10(.5 0.0)	1688, 1.94E-10(.5 0.0)
1690, 1.63E-10(.5 0.0)	1692, 1.39E-10(.6 0.0)	1694, 1.43E-10(.6 0.0)	1696, 1.68E-10(.5 0.0)	1698, 1.92E-10(.5 0.0)
1700, 1.90E-10(.5 0.0)	1702, 1.74E-10(.6 0.0)	1704, 1.69E-10(.6 0.0)	1706, 1.82E-10(.5 0.0)	1708, 2.02E-10(.5 0.0)
1710, 2.14E-10(.5 0.0)	1712, 2.09E-10(.5 0.0)	1714, 2.00E-10(.5 0.0)	1716, 1.84E-10(.5 0.0)	1718, 1.69E-10(.6 0.0)
1720, 1.64E-10(.6 0.0)	1722, 1.79E-10(.5 0.0)	1724, 2.02E-10(.5 0.0)	1726, 2.08E-10(.5 0.0)	1728, 2.06E-10(.5 0.0)
1730, 2.04E-10(.5 0.0)	1732, 2.05E-10(.5 0.0)	1734, 2.04E-10(.5 0.0)	1736, 1.98E-10(.5 0.0)	1738, 1.88E-10(.5 0.0)
1740, 1.81E-10(.5 0.0)	1742, 1.82E-10(.5 0.0)	1744, 1.87E-10(.5 0.0)	1746, 1.86E-10(.5 0.0)	1748, 1.87E-10(.5 0.0)
1750, 1.94E-10(.5 0.0)	1752, 2.02E-10(.5 0.0)	1754, 2.01E-10(.5 0.0)	1756, 1.90E-10(.5 0.0)	1758, 1.76E-10(.5 0.0)
1760, 1.72E-10(.5 0.0)	1762, 1.78E-10(.5 0.0)	1764, 1.86E-10(.5 0.0)	1766, 1.92E-10(.5 0.0)	1768, 1.97E-10(.5 0.0)
1770, 1.97E-10(.5 0.0)	1772, 1.94E-10(.5 0.0)	1774, 1.93E-10(.5 0.0)	1776, 1.85E-10(.5 0.0)	1778, 1.72E-10(.5 0.0)
1780, 1.59E-10(.5 0.0)	1782, 1.49E-10(.5 0.0)	1784, 1.48E-10(.5 0.0)	1786, 1.48E-10(.5 0.0)	1788, 1.48E-10(.5 0.0)
1790, 1.50E-10(.5 0.0)	1792, 1.55E-10(.5 0.0)	1794, 1.60E-10(.5 0.0)	1796, 1.69E-10(.5 0.0)	1798, 1.76E-10(.4 0.0)
1800, 1.75E-10(.4 0.0)	1802, 1.68E-10(.4 0.0)	1804, 1.64E-10(.5 0.0)	1806, 1.65E-10(.5 0.0)	1808, 1.69E-10(.5 0.0)
1810, 1.73E-10(.5 0.0)	1812, 1.73E-10(.5 0.0)	1814, 1.69E-10(.5 0.0)	1816, 1.68E-10(.4 0.0)	1818, 1.71E-10(.4 0.0)
1820, 1.80E-10(.4 0.0)	1822, 1.89E-10(.4 0.0)	1824, 1.91E-10(.4 0.0)	1826, 1.90E-10(.4 0.0)	0, 0, (0.0 0.0)
1800, 1.75E-10(.5 0.0)	1805, 1.63E-10(.5 0.0)	1810, 1.72E-10(.4 0.0)	1815, 1.68E-10(.4 0.0)	1820, 1.83E-10(.4 0.0)
1825, 1.94E-10(.4 0.0)	1830, 1.76E-10(.4 0.0)	1835, 1.65E-10(.4 0.0)	1840, 1.65E-10(.4 0.0)	1845, 1.78E-10(.4 0.0)
1850, 1.86E-10(.4 0.0)	1855, 1.72E-10(.4 0.0)	1860, 1.42E-10(.5 0.0)	1865, 1.22E-10(.5 0.0)	1870, 1.25E-10(.5 0.0)
1875, 1.26E-10(.5 0.0)	1880, 1.15E-10(.5 0.0)	1885, 1.12E-10(.5 0.0)	1890, 1.17E-10(.5 0.0)	1895, 1.12E-10(.5 0.0)
1900, 1.07E-10(.5 0.0)	1905, 1.25E-10(.5 0.0)	1910, 1.32E-10(.5 0.0)	1915, 1.19E-10(.5 0.0)	1920, 1.07E-10(.5 0.0)
1925, 1.02E-10(.5 0.0)	1930, 1.09E-10(.5 0.0)	1935, 1.26E-10(.5 0.0)	1940, 1.32E-10(.4 0.0)	1945, 1.20E-10(.4 0.0)
1950, 1.09E-10(.4 0.0)	1955, 1.10E-10(.4 0.0)	1960, 1.14E-10(.4 0.0)	1965, 1.18E-10(.4 0.0)	1970, 1.14E-10(.4 0.0)
1975, 1.09E-10(.4 0.0)	1980, 1.11E-10(.4 0.0)	1985, 1.19E-10(.4 0.0)	1990, 1.21E-10(.4 0.0)	1995, 1.18E-10(.4 0.0)
2000, 1.15E-10(.4 0.0)	2005, 1.12E-10(.4 0.0)	2010, 1.13E-10(.4 0.0)	2015, 1.18E-10(.4 0.0)	2020, 1.20E-10(.4 0.0)
2025, 1.16E-10(.4 0.0)	2030, 1.08E-10(.4 0.0)	2035, 1.03E-10(.4 0.0)	2040, 9.92E-11(.4 0.0)	2045, 9.62E-11(.4 0.0)
2050, 9.86E-11(.4 0.0)	2055, 1.03E-10(.4 0.0)	2060, 1.06E-10(.3 0.0)	2065E, 1.06E-10(.3 0.0)	2070E, 1.05E-10(.3 0.0)
2075E, 1.02E-10(.3 0.0)	2080E, 1.00E-10(.3 0.0)	2085E, 9.77E-11(.3 0.0)	2090E, 9.94E-11(.3 0.0)	2095E, 1.03E-10(.3 0.0)
2100E, 1.06E-10(.3 0.0)	2105E, 1.07E-10(.2 0.0)	2110E, 1.07E-10(.2 0.0)	2115E, 1.04E-10(.2 0.0)	2120E, 9.92E-11(.2 0.0)
2125E, 9.65E-11(.2 0.0)	2130E, 9.85E-11(.2 0.0)	2135E, 9.95E-11(.2 0.0)	2140E, 1.04E-10(.2 0.0)	2145E, 1.08E-10(.2 0.0)
2150E, 1.10E-10(.2 0.0)	2155E, 1.11E-10(.2 0.0)	2160E, 1.07E-10(.2 0.0)	2165E, 1.01E-10(.2 0.0)	2170E, 9.34E-11(.2 0.0)
2175E, 8.84E-11(.2 0.0)	2180E, 8.86E-11(.2 0.0)	2185E, 9.02E-11(.2 0.0)	2190E, 9.08E-11(.2 0.0)	2195E, 8.95E-11(.2 0.0)
2200E, 9.19E-11(.2 0.0)	2205E, 9.84E-11(.1 0.0)	2210E, 1.02E-10(.1 0.0)	2215E, 9.94E-11(.1 0.0)	2220E, 9.30E-11(.1 0.0)
2225E, 8.77E-11(.1 0.0)	2230E, 8.63E-11(.1 0.0)	2235E, 8.89E-11(.1 0.0)	2240E, 9.16E-11(.1 0.0)	2245E, 9.18E-11(.1 0.0)
2250E, 9.10E-11(.1 0.0)	2255E, 9.01E-11(.1 0.0)	2260E, 8.56E-11(.1 0.0)	2265E, 8.24E-11(.1 0.0)	2270E, 8.20E-11(.1 0.0)
2275E, 8.15E-11(.1 0.0)	2280E, 8.27E-11(.1 0.0)	2285E, 8.59E-11(.1 0.0)	2290E, 9.33E-11(.1 0.0)	2295E, 9.38E-11(.1 0.0)
135, 0.00(0.0 0.0)	139, 0.00(0.0 0.0)	148, 0.00(0.0 0.0)	154, 0.00(0.0 0.0)	161, 0.00(0.0 0.0)
166, 3.05(.6 0.0)	172, 3.22(.5 0.0)	181, 3.32(.5 0.0)	192, 3.74(.5 0.0)	204, 3.82(.4 0.0)
219E, 3.96(.2 0.0)	245, 0.00(0.0 0.0)	280, 0.00(0.0 0.0)	360, 0.00(0.0 0.0)	0, 0.00(0.0 0.0)

X, Y(MM) - 2.9 -2.9 SL4- 76 22 SCANS, T= 225: HD 75241 WT .7, SCALE 1.00

R = 0.36:

X, Y (MM) -6.0 -13.4 SL4- 76 19 SCANS. T= 225; HR 3527 WT .7 SCALE 1.00

$R = 0.72$



HD 76004

HD 76004

HD 76004

LAMBDA, F (WT, SIG) F = AVE FLUX FROM LAM-DEL/2 TO LAM+DEL/2

1620U	1.07E-10	.2	0.0	1622	1.41E-10	.3	0.0	1624	1.67E-10	.4	0.0	1626	1.90E-10	.5	0.0	1628	1.89E-10	.5	0.0
1630	1.81E-10	.6	0.0	1632	1.92E-10	.5	0.0	1634	1.75E-10	.5	0.0	1636	1.66E-10	.5	0.0	1638	1.99E-10	.6	0.0
1640	2.23E-10	.7	0.0	1642	2.08E-10	.7	0.0	1644	1.71E-10	.6	0.0	1646	1.54E-10	.5	0.0	1648	1.44E-10	.4	0.0
1650	1.44E-10	.4	0.0	1652	1.70E-10	.5	0.0	1654	1.96E-10	.7	0.0	1656	1.93E-10	.6	0.0	1658	1.85E-10	.6	0.0
1660	1.83E-10	.6	0.0	1662	1.94E-10	.7	0.0	1664	2.00E-10	.7	0.0	1666	1.68E-10	.6	0.0	1668	1.54E-10	.6	0.0
1670	1.78E-10	.6	0.0	1672	2.02E-10	.7	0.0	1674	2.21E-10	.7	0.0	1676	2.20E-10	.7	0.0	1678	1.90E-10	.7	0.0
1680	1.77E-10	.7	0.0	1682	1.91E-10	.7	0.0	1684	1.99E-10	.7	0.0	1686	2.02E-10	.7	0.0	1688	2.08E-10	.7	0.0
1690	1.99E-10	.7	0.0	1692	1.77E-10	.7	0.0	1694	1.67E-10	.7	0.0	1696	1.83E-10	.7	0.0	1698	1.98E-10	.7	0.0
1700	1.98E-10	.7	0.0	1702	1.88E-10	.7	0.0	1704	1.87E-10	.7	0.0	1706	2.04E-10	.7	0.0	1708	2.15E-10	.6	0.0
1710	2.09E-10	.6	0.0	1712	1.89E-10	.6	0.0	1714	1.72E-10	.6	0.0	1716	1.63E-10	.6	0.0	1718	1.67E-10	.6	0.0
1720	1.75E-10	.6	0.0	1722	1.69E-10	.6	0.0	1724	1.56E-10	.6	0.0	1726	1.67E-10	.6	0.0	1728	2.02E-10	.6	0.0
1730	2.23E-10	.6	0.0	1732	2.15E-10	.6	0.0	1734	2.09E-10	.6	0.0	1736	2.27E-10	.6	0.0	1738	2.56E-10	.6	0.0
1740	2.52E-10	.5	0.0	1742	2.22E-10	.6	0.0	1744	2.07E-10	.6	0.0	1746	2.08E-10	.6	0.0	1748	2.08E-10	.6	0.0
1750	2.02E-10	.6	0.0	1752	1.96E-10	.6	0.0	1754	1.88E-10	.6	0.0	1756	1.85E-10	.6	0.0	1758	1.90E-10	.5	0.0
1760	1.98E-10	.5	0.0	1762	2.07E-10	.5	0.0	1764	2.23E-10	.5	0.0	1766	2.36E-10	.5	0.0	1768	2.32E-10	.5	0.0
1770	2.17E-10	.5	0.0	1772	2.04E-10	.5	0.0	1774	2.01E-10	.5	0.0	1776	2.04E-10	.5	0.0	1778	2.04E-10	.5	0.0
1780	1.94E-10	.5	0.0	1782	1.82E-10	.5	0.0	1784	1.76E-10	.5	0.0	1786	1.81E-10	.5	0.0	1788	1.87E-10	.5	0.0
1790	1.89E-10	.5	0.0	1792	1.92E-10	.5	0.0	1794	1.95E-10	.5	0.0	1796	1.96E-10	.5	0.0	1798	2.03E-10	.4	0.0
1800	2.05E-10	.4	0.0	1802	2.05E-10	.4	0.0	1804	2.06E-10	.4	0.0	1806	2.05E-10	.4	0.0	1808	2.00E-10	.4	0.0
1810	1.91E-10	.4	0.0	1812	1.87E-10	.4	0.0	1814	1.86E-10	.4	0.0	1816	1.91E-10	.4	0.0	1818	1.94E-10	.4	0.0
1820	1.96E-10	.4	0.0	1822	1.93E-10	.4	0.0	1824	1.90E-10	.4	0.0	1826	1.90E-10	.4	0.0	0.0	0.0	0.0	0.0
1800	2.02E-10	.4	0.0	1805	2.04E-10	.4	0.0	1810	1.92E-10	.4	0.0	1815	1.89E-10	.4	0.0	1820	1.96E-10	.4	0.0
1825	1.93E-10	.4	0.0	1830	1.78E-10	.4	0.0	1835	1.77E-10	.4	0.0	1840	1.98E-10	.4	0.0	1845	2.14E-10	.4	0.0
1850	2.07E-10	.4	0.0	1855	1.93E-10	.4	0.0	1860	1.13E-10	.4	0.0	1865	2.04E-10	.3	0.0	1870	2.00E-10	.3	0.0
1875E	2.05E-10	.3	0.0	1880E	2.01E-10	.3	0.0	1885	1.82E-10	.3	0.0	1890	1.68E-10	.3	0.0	1895	1.67E-10	.3	0.0
1900E	1.66E-10	.3	0.0	1905E	1.67E-10	.3	0.0	1910	1.49E-10	.3	0.0	1915	1.47E-10	.3	0.0	1920	1.57E-10	.3	0.0
1925E	1.61E-10	.3	0.0	1930	1.65E-10	.3	0.0	1935	1.58E-10	.3	0.0	1940E	1.65E-10	.3	0.0	1945E	1.83E-10	.3	0.0
1950E	1.94E-10	.3	0.0	1955E	1.84E-10	.3	0.0	1960E	1.72E-10	.3	0.0	1965E	1.68E-10	.3	0.0	1970E	1.71E-10	.3	0.0
1975E	1.77E-10	.3	0.0	1980E	1.72E-10	.3	0.0	1985E	1.68E-10	.3	0.0	1990E	1.70E-10	.3	0.0	1995E	1.78E-10	.3	0.0
2000E	1.78E-10	.2	0.0	2005E	1.68E-10	.3	0.0	2010E	1.59E-10	.3	0.0	2015E	2.42E-10	.3	0.0	2020E	1.29E-10	.3	0.0
2025E	1.27E-10	.3	0.0	2030E	1.32E-10	.3	0.0	2035E	1.39E-10	.3	0.0	2040E	1.37E-10	.2	0.0	2045E	1.36E-10	.2	0.0
2050E	1.38E-10	.2	0.0	2055E	1.40E-10	.2	0.0	2060E	1.43E-10	.2	0.0	2065E	1.59E-10	.2	0.0	2070E	1.72E-10	.2	0.0
2075E	1.57E-10	.2	0.0	2080E	1.42E-10	.2	0.0	2085E	1.41E-10	.2	0.0	2090E	1.35E-10	.2	0.0	2095E	1.34E-10	.2	0.0
2100E	1.38E-10	.2	0.0	2105E	1.39E-10	.2	0.0	2110E	1.37E-10	.2	0.0	2115E	1.30E-10	.2	0.0	2120E	1.28E-10	.2	0.0
2125E	1.24E-10	.2	0.0	2130E	1.17E-10	.2	0.0	2135E	1.12E-10	.2	0.0	2140E	1.12E-10	.2	0.0	2145E	1.15E-10	.2	0.0
2150E	1.21E-10	.2	0.0	2155E	1.27E-10	.1	0.0	2160E	1.24E-10	.1	0.0	2165E	1.18E-10	.1	0.0	2170E	1.10E-10	.2	0.0
2175E	1.06E-10	.2	0.0	2180E	1.04E-10	.2	0.0	2185E	1.04E-10	.2	0.0	2190E	1.07E-10	.1	0.0	2195E	1.11E-10	.1	0.0
2200E	1.04E-10	.1	0.0	2205E	1.03E-10	.1	0.0	2210E	9.97E-11	.1	0.0	2215E	9.82E-11	.2	0.0	2220E	9.36E-11	.2	0.0
2225E	8.47E-11	.2	0.0	2230E	8.01E-11	.2	0.0	2235E	8.31E-11	.2	0.0	2240E	9.24E-11	.2	0.0	2245E	9.67E-11	.2	0.0
2250E	9.49E-11	.1	0.0	2255E	9.43E-11	.1	0.0	2260E	9.22E-11	.1	0.0	2265E	9.34E-11	.1	0.0	2270E	1.00E-10	.1	0.0
2275E	1.04E-10	.1	0.0	2280E	1.03E-10	.1	0.0	2285E	9.98E-11	.1	0.0	2290E	9.54E-11	.1	0.0	2295E	9.69E-11	.1	0.0
135	0.00(0.0	0.0)	0.0)	139	0.00(0.0	0.0)	0.0)	148	0.00(0.0	0.0)	0.0)	154	0.00(0.0	0.0)	0.0)	161	0.00(0.0	0.0)	0.0)
166	3.22E-6	.6	0.0)	172	3.16E-6	.6	0.0)	181	3.18E-4	.4	0.0)	192E	3.31E-3	.3	0.0)	204E	3.47E-2	.2	0.0)
219E	3.84E-1	.1	0.0)	245	0.00(0.0	0.0)	0.0)	280	0.00(0.0	0.0)	0.0)	360	0.00(0.0	0.0)	0.0)	0	0.00(0.0	0.0)	0.0)

X,Y(MM) -1.6 6.9 SL4- 76 21 SCANS, T= 225: HD 76004 WT .7,SCALE 1.00

R = 0.49:

135,	0.00(0.0	0.0)	139,	0.00(0.0	0.0)	148U	3.28( .4	.0)	154,	3.40( .7	.0)	161,	3.75( .7	.0)
166,	3.67(1.0	.0)	172,	3.74(1.0	.0)	181,	3.91(1.2	.0)	192,	4.11(1.9	2.9)	204,	4.31(2.0	1.7)
219,	4.53(2.0	4.4)	245,	4.65(1.8	.3)	280,	4.78(1.6	1.9)	360E	5.33( .9	.0)	0,	0.00(0.0	0.0)

R = 1.17:



$$R = 1.29$$

R = 1.26



**R = 0.58**

R = 0.62::



LAMBDA	F	(WT)	SIG	F - AVE FLUX	FROM LAM-DEL/2	TO LAM-DEL/2
18250	4.60E-11	(3.0)	0.0	18300	4.71E-11	(3.0)
18500	3.79E-11	(2.0)	0.0	18550	4.32E-11	(2.0)
1875	7.22E-11	(5.0)	0.0	1880	7.97E-11	(5.0)
1900	5.92E-11	(4.0)	0.0	1905	6.28E-11	(5.0)
1925	5.78E-11	(3.0)	0.0	19300	3.50E-11	(3.0)
19500	3.95E-11	(4.0)	0.0	1955	6.10E-11	(7.0)
1975	6.35E-11	(6.0)	0.0	1980	6.27E-11	(7.0)
2000	4.75E-11	(5.0)	0.0	2005	5.96E-11	(7.0)
2025	5.19E-11	(3.0)	0.0	2030	6.16E-11	(7.0)
2050	5.14E-11	(7.0)	0.0	2055	5.34E-11	(7.0)
2075	5.34E-11	(7.0)	0.0	2080	5.26E-11	(7.0)
2100	4.58E-11	(7.0)	0.0	2105	4.65E-11	(7.0)
2125	5.08E-11	(7.0)	0.0	2130	5.33E-11	(7.0)
2150	4.89E-11	(7.0)	0.0	2155	4.78E-11	(7.5)
2175	5.16E-11	(8.3)	0.0	2180	5.25E-11	(8.6)
2200	4.98E-11	(8.16)	0.0	2205	5.00E-11	(8.18)
2225	5.12E-11	(9.14)	0.0	2230	4.15E-11	(15.9)
2250	5.02E-11	(2.13)	0.0	2260	4.89E-11	(1.2)
2275	5.00E-11	(1.4)	9.4	2280	5.30E-11	(1.3)
2300	5.73E-11	(1.3)	1.3	2305	5.51E-11	(1.3)
2300	5.71E-11	(1.3)	1.4	2310	5.33E-11	(1.3)
2350	5.66E-11	(1.3)	7.5	2360	6.13E-11	(1.2)
2400	6.85E-11	(1.5)	2.4	2410	6.89E-11	(1.3)
2450	7.10E-11	(1.66)	0.0	2460	7.10E-11	(1.66)
2500	7.50E-11	(9.11)	2.2	2510	7.75E-11	(8.7)
2550	7.56E-11	(7.1)	6.6	2560	7.84E-11	(7.2)
2600E	8.12E-11	(7.4)	6.6	2610E	8.68E-11	(6.6)
2650E	9.65E-11	(5.12)	9.6	2660E	9.86E-11	(5.14)
2700E	8.73E-11	(5.19)	8.8	2710E	8.57E-11	(5.13)
2750E	9.49E-11	(4.9)	9.9	2760E	1.01E-10	(4.3)
2800E	1.06E-10	(3.14)	0.0	2810E	9.99E-11	(3.13)
2850E	1.06E-10	(3.14)	0.0	2860E	1.01E-10	(3.14)
2900E	1.02E-10	(3.18)	8.8	2910E	9.93E-11	(3.14)
2950E	1.09E-10	(2.16)	6.6	2960E	1.09E-10	(2.17)
3000E	8.37E-11	(3.23)	6.6	3010E	8.12E-11	(3.23)
3000E	8.40E-11	(3.23)	6.6	3020E	8.29E-11	(3.24)
3100E	9.24E-11	(2.33)	3.3	3120E	9.48E-11	(2.36)
3200E	1.04E-10	(1.16)	6.6	3220E	1.07E-10	(1.23)
3300E	1.12E-10	(1.13)	6.6	3320E	1.11E-10	(1.13)
3400E	1.04E-10	(1.12)	9.9	3420E	1.13E-10	(1.17)
3500E	8.84E-11	(1.4)	4.4	3520E	8.45E-11	(1.6)
3600E	7.78E-11	(1.12)	9.9	3620E	7.81E-11	(1.8)
3700E	8.28E-11	(1.19)	0.0	3720E	8.37E-11	(1.21)
3800E	8.06E-11	(1.3)	8.8	3820E	7.95E-11	(1.3)
3900E	8.07E-11	(1.11)	4.4	3920E	7.57E-11	(2.14)
4000E	6.61E-11	(3.17)	1.1	4020E	6.40E-11	(3.18)
4100E	6.52E-11	(3.21)	5.5	4120E	6.49E-11	(4.2)
135	0.00(0.0)	0.0	0.0	139	0.00(0.0)	0.0
166	0.00(0.0)	0.0	0.0	172	0.00(0.0)	0.0
219	4.65E-11	0.0	0.0	245	4.29(1.0)	4.1
148	0.00(0.0)	0.0	0.0	181	0.00(0.0)	0.0
280E	3.94E-11	16.9	9.9	280E	3.94E-11	16.9
154	0.00(0.0)	0.0	0.0	162	4.50E-11	18.9
204	4.50E-11	18.9	9.9	204	4.50E-11	18.

X,Y(MM)	-8.0	-6.7	SL4-	95	19	SCANS,	T= 220	HR 3654	WT .7,SCALE 1.11
X,Y(MM)	-8.0	-6.7	SL4-	96	19	SCANS,	T= 75	HR 3654	WT .7,SCALE .83

$$R = 0.45:$$





LAMBDA, F (W, SIG)				F = AVE FLUX FROM LAM-DEL/2 TO LAM-DEL/2															
1460.	5.20E-10	(.5	0.0)	1462.	6.96E-10	(.5	0.0)	1464.	6.82E-10	(.6	0.0)	1466.	8.02E-10	(.7	0.0)	1468.	7.97E-10	(.7	0.0)
1470.	7.95E-10	(.7	0.0)	1472.	6.71E-10	(.7	0.0)	1474.	6.86E-10	(.7	0.0)	1476.	7.33E-10	(.7	0.0)	1478.	7.69E-10	(.7	0.0)
1480.	7.96E-10	(.7	0.0)	1482.	5.66E-10	(.7	0.0)	1484.	7.24E-10	(.7	0.0)	1486.	8.06E-10	(.7	0.0)	1488.	7.91E-10	(.6	0.0)
1490.	8.70E-10	(.6	0.0)	1492.	7.32E-10	(.6	1.6)	1494.	6.20E-10	(.7	1.1)	1496.	6.85E-10	(.7	5.3)	1498.	7.99E-10	(.7	3.2)
1500.	7.45E-10	(.7	6.1)	1502.	6.39E-10	(.7	1.6)	1504.	7.14E-10	(.7	1.0)	1506.	7.94E-10	(.7	6.9)	1508.	7.79E-10	(.7	5.2)
1510.	8.24E-10	(.7	5.5)	1512.	7.22E-10	(.8	1.5)	1514.	6.52E-10	(.8	4.7)	1516.	6.52E-10	(.8	7.2)	1518.	7.52E-10	(.8	3.0)
1520.	7.22E-10	(.8	1.5)	1522.	7.72E-10	(.8	5.3)	1524.	7.52E-10	(.8	1.5)	1526.	7.32E-10	(.8	2.0)	1528.	7.76E-10	(.9	1.4)
1530.	7.24E-10	(.9	1.1)	1532.	7.56E-10	(10.1	2.0)	1534.	7.56E-10	(10.0	8.2)	1536.	7.15E-10	(11.6	7.3)	1538.	6.46E-10	(11.6	6.7)
1540.	7.88E-10	(1.1	4.1)	1542.	7.27E-10	(10.0	2.1)	1544.	6.28E-10	(10.1	0.6)	1546.	6.57E-10	(10.1	6.8)	1548.	6.65E-10	(10.1	7.9)
1550.	6.80E-10	(10.1	10.4)	1552.	6.97E-10	(10.1	15.3)	1554.	6.53E-10	(11.4	4.4)	1556.	6.45E-10	(11.1	6.2)	1558.	6.39E-10	(11.1	9.1)
1560.	7.17E-10	(10.1	11.8)	1562.	7.63E-10	(11.1	8.0)	1564.	7.76E-10	(11.1	9.7)	1566.	7.85E-10	(11.1	4.7)	1568.	7.92E-10	(11.1	5.9)
1570.	8.04E-10	(11.1	6.6)	1572.	8.35E-10	(11.1	4.3)	1574.	8.02E-10	(11.1	1.8)	1576.	7.93E-10	(11.1	8.8)	1578.	7.88E-10	(11.1	1.5)
1580.	8.00E-10	(11.1	5.8)	1582.	7.78E-10	(11.1	7.5)	1584.	7.98E-10	(11.1	4.3)	1586.	8.32E-10	(11.2	2.6)	1588.	8.16E-10	(11.2	5.8)
1590.	8.00E-10	(11.1	3.3)	1592.	8.00E-10	(11.2	7.7)	1594.	8.00E-10	(11.2	3.3)	1596.	8.00E-10	(11.2	2.0)	1598.	8.00E-10	(11.2	5.8)
1600.	8.74E-10	(11.1	2.0)	1602.	8.94E-10	(11.1	7.7)	1604.	8.84E-10	(11.1	3.8)	1606.	8.43E-10	(11.1	2.0)	1608.	8.20E-10	(11.2	5.5)
1610.	7.98E-10	(11.2	3.4)	1612.	8.27E-10	(11.1	2.8)	1614.	8.74E-10	(11.1	1.8)	1616.	8.77E-10	(11.1	4.5)	1618.	8.38E-10	(11.1	2.6)
1620.	8.29E-10	(11.1	3.4)	1622.	8.16E-10	(11.1	4.3)	1624.	8.34E-10	(11.1	6.7)	1626.	8.74E-10	(11.1	4.4)	1628.	8.76E-10	(11.1	2.0)
1630.	8.90E-10	(11.1	8.7)	1632.	9.23E-10	(11.1	3.3)	1634.	9.56E-10	(11.0	6.6)	1636.	9.68E-10	(11.0	4.7)	1638.	9.77E-10	(11.0	10.0)
1640.	9.65E-10	(11.0	8.9)	1642.	9.63E-10	(11.0	1.3)	1644.	9.55E-10	(11.0	3.2)	1646.	9.53E-10	(11.0	1.6)	1648.	9.77E-10	(11.0	1.1)
1650.	9.65E-10	(11.0	2.2)	1652.	9.52E-10	(11.0	5.5)	1654.	9.51E-10	(11.0	3.5)	1656.	9.06E-10	(11.0	2.8)	1658.	9.10E-10	(11.0	9.9)
1660.	9.82E-10	(11.0	0.0)	1662.	9.71E-10	(11.0	2.0)	1664.	9.61E-10	(11.0	3.3)								

$$R = 1.48:$$



$R = 0.45$

LAMBDA				F				F - AVE FLUX FROM LAM-DEL/2				LAMBDA/2				F				F - AVE FLUX FROM LAM-DEL/2				LAMBDA/2											
1720	0	(0.0)	(0.0)	1722	0	(0.0)	(0.0)	1724	0	(0.0)	(0.0)	1726	0	(0.0)	(0.0)	1728	0	(0.0)	(0.0)	1730	0	(0.0)	(0.0)	1732	0	(0.0)	(0.0)	1734	0	(0.0)	(0.0)				
1730	5.33E-11	(.2)	(2.8)	1732	5.35E-11	(.3)	(19.1)	1734	4.87E-11	(.3)	(8.7)	1736	4.21E-11	(.2)	(1.8)	1738	3.62E-11	(.2)	(8.0)	1740	3.36E-11	(.2)	(18.8)	1742	4.06E-11	(.3)	(11.9)	1744	4.64E-11	(.3)	(13.7)	1746	5.03E-11	(.4)	(21.6)
1740	5.33E-11	(.2)	(18.8)	1742	4.06E-11	(.3)	(11.9)	1744	4.64E-11	(.3)	(13.7)	1746	5.03E-11	(.4)	(21.6)	1748	4.70E-11	(.3)	(34.4)	1750	5.34E-11	(.2)	(34.7)	1752	2.98E-11	(.2)	(16.3)	1754	3.06E-11	(.2)	(15.0)	1756	3.96E-11	(.2)	(33.5)
1750	5.34E-11	(.2)	(34.7)	1752	2.98E-11	(.2)	(16.3)	1754	3.06E-11	(.2)	(15.0)	1756	3.96E-11	(.2)	(33.5)	1758	4.08E-11	(.3)	(33.6)	1760	4.48E-11	(.4)	(13.9)	1762	4.65E-11	(.5)	(5.5)	1764	4.36E-11	(.4)	(6.2)	1766	3.31E-11	(.3)	(7.1)
1760	4.48E-11	(.4)	(13.9)	1762	4.65E-11	(.5)	(5.5)	1764	4.36E-11	(.4)	(6.2)	1766	3.31E-11	(.3)	(7.1)	1768	3.12E-11	(.3)	(5.2)	1770	3.71E-11	(.3)	(15.1)	1772	4.48E-11	(.4)	(14.9)	1774	4.95E-11	(.5)	(22.0)	1776	5.47E-11	(.6)	(30.2)
1770	3.71E-11	(.3)	(15.1)	1772	4.48E-11	(.4)	(14.9)	1774	4.95E-11	(.5)	(22.0)	1776	5.47E-11	(.6)	(30.2)	1778	5.52E-11	(.6)	(24.4)	1780	4.7E-11	(.6)	(1.6)	1782	5.35E-11	(.7)	(1.0)	1784	5.37E-11	(.7)	(1.2)	1786	4.97E-11	(.6)	(2.6)
1780	4.7E-11	(.6)	(1.6)	1782	5.35E-11	(.7)	(1.0)	1784	5.37E-11	(.7)	(1.2)	1786	4.97E-11	(.6)	(2.6)	1788	4.42E-11	(.6)	(10.0)	1790	4.7E-11	(.6)	(1.1)	1792	4.95E-11	(.7)	(1.0)	1794	5.07E-11	(.7)	(1.0)	1796	5.47E-11	(.7)	(5.4)
1790	4.7E-11	(.6)	(1.1)	1792	4.95E-11	(.7)	(1.0)	1794	5.07E-11	(.7)	(1.0)	1796	5.47E-11	(.7)	(5.4)	1800	6.39E-11	(.1)	(10.7)	1802	6.16E-11	(.1)	(0.0)	1804	6.40E-11	(.1)	(0.0)	1806	6.16E-11	(.1)	(0.0)	1808	6.16E-11	(.1)	(0.0)
1800	6.39E-11	(.1)	(10.7)	1802	6.16E-11	(.1)	(0.0)	1804	6.40E-11	(.1)	(0.0)	1806	6.16E-11	(.1)	(0.0)	1808	6.16E-11	(.1)	(0.0)	1810	6.07E-11	(.1)	(0.4)	1812	6.07E-11	(.1)	(0.0)	1814	6.40E-11	(.1)	(0.8)	1816	6.56E-11	(.1)	(7.6)
1810	6.07E-11	(.1)	(0.4)	1812	6.07E-11	(.1)	(0.0)	1814	6.40E-11	(.1)	(0.8)	1816	6.56E-11	(.1)	(7.6)	1818	6.16E-11	(.1)	(0.0)	1820	5.76E-11	(.1)	(0.0)	1822	5.53E-11	(.1)	(0.0)	1824	5.62E-11	(.1)	(0.6)	1826	5.82E-11	(.1)	(2.2)
1820	5.76E-11	(.1)	(0.0)	1822	5.53E-11	(.1)	(0.0)	1824	5.62E-11	(.1)	(0.6)	1826	5.82E-11	(.1)	(2.2)	1828	0	(.0)	(0.0)	1830	6.30E-11	(.1)	(0.0)	1832	6.12E-11	(.									

R = 1.07







X,Y(MM)	3.3	10.9	SL4- 97	22	SCANS, T= 224	HR 3868	WT .7,SCALE 1.18
X,Y(MM)	4.7	10.9	SL4- 98	20	SCANS, T= 77	HR 3868	WT .7,SCALE .87

$$R = 0.51$$

HD 84809

HR 3883

HD 84809

LAMBDA, F (WT, SIG)	F = AVE FLUX FROM LAM-DEL/2 TO LAM-DEL/2	
1690U, 1.04E-10(.4 .0)	1692, 1.26E-10(.4 .0)	1694, 1.24E-10(.4 .0)
1700, 1.35E-10(.4 .0)	1702, 1.40E-10(.5 .0)	1704, 1.34E-10(.5 .0)
1710, 1.24E-10(.5 .0)	1712, 1.35E-10(.5 .0)	1714, 1.28E-10(.5 .0)
1720, 1.20E-10(.5 .0)	1722, 1.31E-10(.5 .0)	1724, 1.33E-10(.6 .0)
1730, 1.22E-10(.5 .0)	1732, 1.22E-10(.5 .0)	1734, 1.21E-10(.5 .0)
1740U, 1.28E-10(.6 .0)	1742U, 1.17E-10(.5 3.7)	1744U, 1.14E-10(.5 1.1)
1750, 1.28E-10(.8 2.0)	1752, 1.21E-10(.7 .5)	1754, 1.11E-10(.7 3.8)
1760, 1.04E-10(.6 31.0)	1762, 1.13E-10(.6 32.8)	1764, 1.21E-10(.7 30.0)
1770, 1.35E-10(1.0 13.2)	1772, 1.33E-10(1.0 5.9)	1774, 1.28E-10(1.0 3.6)
1780, 1.28E-10(1.0 3.1)	1782, 1.27E-10(1.0 2.6)	1784, 1.21E-10(1.0 1.5)
1790, 1.01E-10(1.0 .4)	1792, 9.66E-11(.9 1.8)	1794, 9.57E-11(.9 1.2)
1800, 1.05E-10(1.0 2.8)	1802, 1.08E-10(.9 10.9)	1804, 1.09E-10(.9 16.1)
1810, 1.11E-10(.9 14.3)	1812, 1.21E-10(1.0 7.3)	1814, 1.26E-10(1.1 8.0)
1820, 1.18E-10(1.1 17.7)	1822, 1.22E-10(1.1 11.4)	1824, 1.29E-10(1.2 8.5)
1830, 1.05E-10(.9 3.6)	1835, 1.11E-10(.9 13.9)	1840, 1.27E-10(1.0 10.9)
1840, 1.31E-10(1.1 8.6)	1845, 1.10E-10(1.2 .1)	1850, 1.16E-10(1.3 .5)
1850, 1.15E-10(1.2 1.6)	1855, 1.22E-10(1.3 .3)	1860, 1.22E-10(1.3 3.5)
1860, 1.07E-10(1.1 20.9)	1865, 1.06E-10(1.0 19.3)	1870, 9.94E-11(1.0 21.7)
1870, 1.02E-10(1.1 14.4)	1875, 1.04E-10(1.2 4.3)	1880, 1.03E-10(1.2 8.2)
1880, 9.95E-11(1.2 17.7)	1885, 1.03E-10(1.4 3.3)	1890, 1.00E-10(1.3 8.8)
1890, 1.02E-10(1.4 .4)	1895, 1.07E-10(1.4 1.1)	1900, 1.13E-10(1.4 6.0)
1900, 1.07E-10(1.4 3.8)	1905, 9.96E-11(1.4 7.3)	1910, 1.02E-10(1.4 6.0)
1910, 9.18E-11(1.3 21.1)	1915, 9.20E-11(1.3 20.2)	1920, 9.67E-11(1.4 10.7)
1920, 8.84E-11(1.4 1.3)	1925, 8.60E-11(1.4 5.8)	1930, 8.93E-11(1.4 4.2)
1930, 9.10E-11(1.4 3.2)	1935, 8.99E-11(1.4 1.1)	1940, 8.24E-11(1.4 2.3)
1940, 9.08E-11(1.4 5.6)	1945, 8.34E-11(1.4 7.1)	1950, 8.18E-11(1.4 6.5)
1950, 8.37E-11(1.4 2.3)	1955, 8.47E-11(1.4 1.1)	1960, 8.75E-11(1.4 7.1)
1960, 8.65E-11(1.4 2.8)	1965, 8.69E-11(1.4 2.6)	1970, 8.89E-11(1.3 2.9)
1970, 8.55E-11(1.3 2.1)	1975, 8.74E-11(1.3 .8)	1980, 9.09E-11(1.3 .7)
1980, 8.88E-11(1.3 2.2)	1985, 8.72E-11(1.3 4.2)	1990, 8.27E-11(1.3 7.7)
1990, 7.91E-11(1.3 9.5)	1995, 8.56E-11(1.3 7.4)	2000, 8.83E-11(1.2 6.5)
2000, 7.93E-11(1.2 3.2)	2005, 7.90E-11(1.2 2.0)	2010, 8.06E-11(1.2 2.0)
2010, 8.55E-11(1.2 2.5)	2015, 8.58E-11(1.2 2.0)	2020, 8.48E-11(1.2 5.4)
2020, 8.43E-11(1.2 2.3)	2025, 8.33E-11(1.1 2.0)	2030, 8.33E-11(1.1 6.3)
2030, 7.67E-11(1.2 .6)	2035, 7.71E-11(1.1 3.6)	2040, 7.82E-11(1.1 6.3)
2040, 7.67E-11(1.1 .6)	2045, 7.79E-11(1.1 .0)	2050, 7.93E-11(1.0 2.2)
2050, 8.01E-11(1.0 .1)	2055, 7.95E-11(1.0 5.8)	2060, 7.59E-11(1.0 3.8)
2060, 7.30E-11(1.0 2.4)	2065, 7.21E-11(.9 4.0)	2070, 7.52E-11(.9 2.7)
2070, 7.47E-11(.9 11.6)	2075, 7.36E-11(.9 4.5)	2080, 7.38E-11(.9 3.3)
2080, 7.32E-11(.9 .9)	2085, 6.95E-11(.9 .4)	2090, 6.75E-11(.9 .3)
2090, 6.99E-11(.8 15.6)	2095, 7.27E-11(.8 15.5)	2100, 7.72E-11(.8 14.3)
2100, 7.72E-11(.7 8.5)	2105, 7.46E-11(.7 7.8)	2110, 7.14E-11(.8 13.0)
2110, 7.10E-11(.7 24.6)	2115, 7.00E-11(.7 21.6)	2120, 6.94E-11(.7 18.5)
2120, 7.11E-11(.7 12.2)	2125, 7.34E-11(.7 11.1)	2130, 6.96E-11(.7 8.7)
2130, 6.85E-11(.7 8.2)	2135, 6.96E-11(.7 14.2)	2140, 7.03E-11(.7 18.3)
2140, 6.98E-11(.6 15.3)	2145, 7.14E-11(.6 9.7)	2150, 7.23E-11(.6 9.1)
2150, 6.84E-11(.6 11.4)	2155, 6.96E-11(.6 8.1)	2160, 7.23E-11(.6 3.6)
2160, 7.07E-11(.6 5.6)	2165, 6.88E-11(.6 9.9)	2170, 6.88E-11(.5 13.2)
2170, 7.47E-11(.5 21.5)	2175, 7.56E-11(.5 25.1)	2180, 7.67E-11(.5 28.3)
2180, 7.39E-11(.5 21.8)	2185, 7.68E-11(.5 28.1)	2190, 7.89E-11(.5 31.0)
2190, 6.90E-11(.5 20.5)	2195, 6.81E-11(.5 26.1)	2200, 6.77E-11(.5 32.3)
2200, 7.08E-11(.4 20.8)	2205, 7.22E-11(.4 19.0)	2210, 7.51E-11(.4 16.9)
2210, 7.82E-11(.4 17.9)	2215, 7.97E-11(.3 20.8)	2220, 8.03E-11(.3 22.8)
2220, 7.76E-11(.3 19.5)	2225, 7.38E-11(.3 10.3)	2230, 7.13E-11(.3 .8)
2230, 6.59E-11(.4 8.0)	2235, 6.26E-11(.4 7.8)	2240, 5.91E-11(.4 7.8)
2240, 4.76E-11(.5 24.7)	2245, 4.56E-11(.5 27.3)	2250, 4.39E-11(.5 25.0)
2250, 3.99E-11(.5 4.8)	2255, 3.86E-11(.5 3.2)	2260, 3.74E-11(.6 4.9)
2260, 3.89E-11(.5 11.7)	2265, 4.15E-11(.5 11.6)	2270, 4.49E-11(.5 11.3)
2270, 5.06E-11(.5 7.8)	2275, 5.11E-11(.5 5.2)	2280, 5.08E-11(.5 2.2)
2280, 4.89E-11(.5 .4)	2285, 4.83E-11(.5 .3)	2290, 4.86E-11(.5 .9)
2290, 5.13E-11(.6 1.6)	2295, 5.22E-11(.6 2.3)	2300, 5.29E-11(.6 3.5)
135, 0.00(0.0 0.0)	139, 0.00(0.0 0.0)	148, 0.00(0.0 0.0)
166, 0.00(0.0 0.0)	172, 3.68(.5 .0)	181, 3.74(1.0 5.0)
219, 4.08(1.3 1.5)	245, 4.21(1.0 1.7)	280E, 4.25(.6 15.0)
X,Y(MM) 2.0 -6.7 SL4- 97	21 SCANS, T= 224	HR 3883 WT 7. SCALE 1.12
X,Y(MM) 3.1 -6.9 SL4- 98	19 SCANS, T= 77	HR 3883 WT 7. SCALE .85

R = 0.32:

$R = 0.66:$



$R = 0.70$



LAMBDA, F (WT, SIG)			F = AVE FLUX FROM LAM-DEL/2 TO LAM+DEL/2		
2025U	1.56E-11(1.2 0.0)	2030U	1.81E-11(1.4 0.0)	2035U	2.04E-11(1.4 0.0)
2050U	1.94E-11(1.4 0.0)	2055U	2.11E-11(1.5 0.0)	2060U	1.96E-11(1.5 0.0)
2075U	1.62E-11(1.4 0.0)	2080U	1.47E-11(1.4 0.0)	2085U	1.42E-11(1.4 0.0)
2100U	1.21E-11(1.3 0.0)	2105U	1.12E-11(1.3 0.0)	2110U	1.06E-11(1.3 0.0)
2125U	1.23E-11(1.4 0.0)	2130U	1.33E-11(1.5 0.0)	2135U	1.38E-11(1.5 0.0)
2150U	1.06E-11(1.4 0.0)	2155U	9.95E-12(1.4 0.0)	2160U	9.48E-12(1.4 0.0)
2175U	1.07E-11(1.5 0.0)	2180U	1.13E-11(1.5 2.5)	2185U	1.17E-11(1.6 1.9)
2200U	1.32E-11(1.8 3.1)	2205U	1.42E-11(1.9 2.2)	2210U	1.45E-11(1.0 1.2)
2225U	1.53E-11(1.1 3.5)	2230U	1.55E-11(1.2 4.0)	2235U	1.59E-11(1.2 6.3)
2250U	1.54E-11(1.3 9.2)	2255U	1.52E-11(1.3 9.8)	2260U	1.52E-11(1.3 12.9)
2275U	1.61E-11(1.4 15.3)	2280U	1.62E-11(1.5 15.2)	2285U	1.60E-11(1.5 16.5)
2300U	1.59E-11(1.7 19.9)	2305U	1.58E-11(1.7 20.0)	2310U	1.52E-11(1.6 17.1)
2330U	1.58E-11(1.6 19.9)	2335U	1.52E-11(1.6 17.1)	2340U	1.36E-11(1.6 13.8)
2350U	1.11E-11(1.4 12.8)	2360U	1.06E-11(1.4 5.3)	2370U	1.05E-11(1.4 9.7)
2400U	1.20E-11(1.6 18.7)	2410U	1.25E-11(1.7 19.3)	2420U	1.36E-11(1.8 15.9)
2450U	1.53E-11(1.9 11.5)	2460U	1.56E-11(2.0 11.6)	2470U	1.58E-11(2.0 11.4)
2500U	1.66E-11(2.0 6.4)	2510U	1.72E-11(2.0 6.6)	2520U	1.71E-11(2.0 5.1)
2550U	1.67E-11(2.0 2.6)	2560U	1.74E-11(2.0 2.7)	2570U	1.82E-11(2.0 1.1)
2600U	2.00E-11(2.0 1.1)	2610U	2.06E-11(2.0 1.1)	2620U	2.14E-11(2.0 1.7)
2650U	2.54E-11(2.0 3.3)	2660U	2.65E-11(2.0 1.8)	2670U	2.72E-11(2.0 1.5)
2700U	2.82E-11(2.0 2.9)	2710U	2.78E-11(2.0 3.1)	2720U	2.74E-11(2.0 3.6)
2750U	2.59E-11(2.0 4.9)	2760U	2.56E-11(2.0 5.1)	2770U	2.55E-11(2.0 4.8)
2800U	2.66E-11(1.9 1.4)	2810U	2.74E-11(1.9 2.0)	2820U	2.85E-11(1.9 1.4)
2850U	3.45E-11(1.8 1.4)	2860U	3.65E-11(1.8 2.3)	2870U	3.82E-11(1.8 2.8)
2900U	4.38E-11(1.7 1.7)	2910U	4.58E-11(1.7 2.2)	2920U	4.78E-11(1.7 3.0)
2950U	5.28E-11(1.5 4.0)	2960U	5.36E-11(1.5 3.3)	2970U	5.41E-11(1.5 2.1)
3000U	5.45E-11(1.5 1.7)	3010U	5.50E-11(1.4 1.7)	3020U	5.59E-11(1.4 1.8)
3060U	5.45E-11(1.4 1.5)	3070U	5.60E-11(1.4 1.7)	3080U	5.86E-11(1.4 1.8)
3100E	6.87E-11(1.2 6.9)	3120E	7.05E-11(1.2 7.3)	3140E	7.22E-11(1.1 6.9)
3200E	7.93E-11(1.0 7.6)	3220E	8.06E-11(1.0 5.2)	3240E	8.20E-11(1.0 2.5)
3300E	8.74E-11(1.0 2.9)	3320E	9.01E-11(1.0 2.7)	3340E	9.16E-11(1.0 1.6)
3400E	8.99E-11(1.1 1.1)	3420E	9.22E-11(1.0 1.4)	3440E	9.41E-11(1.0 4.1)
3500E	9.07E-11(1.1 13.5)	3520E	8.97E-11(1.1 13.6)	3540E	8.98E-11(1.1 13.5)
3600E	9.28E-11(1.1 12.5)	3620E	9.48E-11(1.1 12.4)	3640E	9.78E-11(1.1 12.2)
3700E	1.12E-10(1.1 12.2)	3720E	1.21E-10(1.1 12.5)	3740E	1.31E-10(1.1 12.9)
3800E	1.70E-10(1.3 12.8)	3820E	1.81E-10(1.3 11.5)	3840E	1.90E-10(1.3 9.5)
3900E	2.05E-10(1.2 3.7)	3920E	2.11E-10(1.2 4.3)	3940E	2.19E-10(1.2 5.9)
4000E	2.59E-10(1.1 17.3)	4020E	2.77E-10(1.1 19.9)	4040E	2.99E-10(1.1 21.3)
4100E	3.95E-10(1.1 0.0)	4120E	4.11E-10(1.1 0.0)	4140E	4.23E-10(1.1 0.0)
135U	0.00(0.0 0.0)	139U	0.00(0.0 0.0)	148U	0.00(0.0 0.0)
166U	0.00(0.0 0.0)	172U	0.00(0.0 0.0)	181U	0.00(0.0 0.0)
219U	6.08(1.9 0.0)	245U	5.97(1.8 8.0)	280U	4.99(1.8 1.6)
X,Y(MM) -13.2 9.6 SL2- 8			22 SCANS, T= 256	HR 4114	WT 1.0, SCALE .99
X,Y(MM) -13.2 9.6 SL2- 9			18 SCANS, T= 87	HR 4114	WT 1.0, SCALE 1.02

R = &lt;1.05&gt;





LAMBDA, F (WT, SIG)				F = AVE FLUX FROM LAM-DEL/2 TO LAM+DEL/2							
1310, 6.61E-10(1.0 0.0)	1312, 8.89E-10(1.0 0.0)	1314, 1.04E-09(1.0 0.0)	1316, 1.01E-09(1.0 0.0)	1318, 1.15E-09(1.0 0.0)	1320, 1.08E-09(1.0 0.0)	1322, 1.04E-09(1.0 0.0)	1324, 1.06E-09(1.0 0.0)	1326, 1.01E-09(1.0 0.0)	1328, 9.94E-10(1.0 0.0)	1330, 8.89E-10(1.0 0.0)	1332, 8.54E-10(1.0 0.0)
1330, 8.89E-10(1.0 0.0)	1332, 8.54E-10(1.0 0.0)	1334, 6.97E-10(1.0 0.0)	1336, 7.14E-10(1.0 0.0)	1338, 9.80E-10(1.0 0.0)	1340, 1.06E-09(1.0 0.0)	1342, 1.05E-09(1.0 0.0)	1344, 1.15E-09(1.0 0.0)	1346, 1.17E-09(1.0 0.0)	1348, 1.18E-09(1.0 0.0)	1350, 1.15E-09(1.0 0.0)	1352, 1.23E-09(1.0 0.0)
1350, 1.15E-09(1.0 0.0)	1352, 1.23E-09(1.0 0.0)	1354, 1.14E-09(1.0 0.0)	1356, 1.11E-09(1.0 0.0)	1358, 1.17E-09(1.0 0.0)	1360, 1.21E-09(1.0 0.0)	1362, 1.16E-09(1.0 0.0)	1364, 1.10E-09(1.0 0.0)	1366, 1.14E-09(1.0 0.0)	1368, 1.11E-09(1.0 0.0)	1370, 1.11E-09(1.0 0.0)	1372, 1.06E-09(1.0 0.0)
1370, 1.11E-09(1.0 0.0)	1372, 1.06E-09(1.0 0.0)	1374, 1.07E-09(1.0 0.0)	1376, 9.90E-10(1.0 0.0)	1378, 9.84E-10(1.0 0.0)	1380, 9.33E-10(1.0 0.0)	1382, 9.26E-10(1.0 0.0)	1384, 1.03E-09(1.0 0.0)	1386, 1.03E-09(1.0 0.0)	1388, 9.99E-10(1.0 0.0)	1390, 8.37E-10(1.0 0.0)	1392, 7.60E-10(1.0 0.0)
1390, 8.37E-10(1.0 0.0)	1392, 7.60E-10(1.0 0.0)	1400, 9.50E-10(1.0 0.0)	1402, 1.01E-09(1.0 0.0)	1408, 1.08E-09(1.0 0.0)	1410, 1.11E-09(1.0 0.0)	1412, 1.16E-09(1.0 0.0)	1414, 1.26E-09(1.0 0.0)	1416, 1.21E-09(1.0 0.0)	1418, 1.27E-09(1.0 0.0)	1420, 1.34E-09(1.0 0.0)	1422, 1.32E-09(1.0 0.0)
1420, 1.34E-09(1.0 0.0)	1422, 1.32E-09(1.0 0.0)	1430, 1.39E-09(1.0 0.0)	1432, 1.35E-09(1.0 0.0)	1438, 1.35E-09(1.0 0.0)	1440, 1.40E-09(1.0 0.0)	1442, 1.35E-09(1.0 6.4)	1444, 1.37E-09(1.1 6.6)	1446, 1.36E-09(1.1 6.4)	1448, 1.35E-09(1.1 12.6)	1450, 1.40E-09(1.1 13.7)	1452, 1.34E-09(1.1 13.7)
1450, 1.40E-09(1.1 13.7)	1452, 1.34E-09(1.1 13.7)	1460, 1.37E-09(1.2 15.5)	1462, 1.31E-09(1.2 18.5)	1468, 1.32E-09(1.2 10.2)	1470, 1.23E-09(1.4 7.4)	1472, 1.33E-09(1.4 19.0)	1474, 1.28E-09(1.5 14.3)	1476, 1.25E-09(1.5 12.2)	1478, 1.31E-09(1.6 11.0)	1480, 1.22E-09(1.6 12.5)	1482, 1.36E-09(1.6 20.2)
1480, 1.22E-09(1.6 12.5)	1482, 1.36E-09(1.6 20.2)	1490, 1.18E-09(1.6 20.7)	1492, 1.29E-09(1.6 15.6)	1498, 1.26E-09(1.4 15.1)	1500, 1.24E-09(1.2 20.8)	1502, 1.27E-09(1.1 12.1)	1504, 1.30E-09(1.6 10.6)	1506, 1.29E-09(1.5 13.6)	1508, 1.26E-09(1.4 15.1)	1510, 1.20E-09(1.6 5.1)	1512, 1.32E-09(1.6 16.2)
1510, 1.20E-09(1.6 5.1)	1512, 1.32E-09(1.6 16.2)	1520, 1.32E-09(1.5 12.9)	1522, 1.39E-09(1.5 8.6)	1528, 1.32E-09(1.5 5.0)	1530, 1.18E-09(1.5 1.6)	1532, 1.13E-09(1.5 2.9)	1534, 1.16E-09(1.5 9)	1536, 1.22E-09(1.5 9.7)	1538, 1.29E-09(1.5 11.5)	1540, 1.23E-09(1.5 7.7)	1542, 1.16E-09(1.5 4)
1540, 1.23E-09(1.5 7.7)	1542, 1.16E-09(1.5 4)	1550, 1.30E-09(1.5 3.0)	1552, 1.31E-09(1.5 6.8)	1558, 1.24E-09(1.5 6.1)	1560, 1.20E-09(1.5 10.4)	1562, 1.28E-09(1.5 4.8)	1564, 1.52E-09(1.5 11.7)	1566, 1.36E-09(1.4 6.7)	1568, 1.31E-09(1.4 2.7)	1570, 1.47E-09(1.4 5.7)	1572, 1.46E-09(1.4 1.3)
1570, 1.47E-09(1.4 5.7)	1572, 1.46E-09(1.4 1.3)	1580, 1.43E-09(1.4 2.7)	1582, 1.36E-09(1.4 7)	1588, 1.44E-09(1.4 6)	1590, 1.51E-09(1.4 2.3)	1592, 1.56E-09(1.4 7.7)	1594, 1.41E-09(1.4 1.2)	1596, 1.26E-09(1.4 7.5)	1598, 1.32E-09(1.4 3.1)	1600, 1.40E-09(1.4 5.1)	1602, 1.35E-09(1.4 11.5)
1600, 1.40E-09(1.4 5.1)	1602, 1.35E-09(1.4 11.5)	1610, 1.11E-09(1.4 13.0)	1612, 1.21E-09(1.4 14.0)	1618, 1.48E-09(1.3 5.8)	1620, 1.53E-09(1.3 9.7)	1622, 1.52E-09(1.3 3.3)	1624, 1.60E-09(1.3 4.1)	1626, 1.65E-09(1.3 13.1)	1628, 1.49E-09(1.3 11.9)	1630, 1.31E-09(1.3 1)	1632, 1.27E-09(1.3 2.7)
1630, 1.31E-09(1.3 1)	1632, 1.27E-09(1.3 2.7)	1640, 1.35E-09(1.3 3.9)	1642, 1.44E-09(1.3 4.4)	1648, 1.49E-09(1.3 7.8)	1650, 1.30E-09(1.3 11.3)	1652, 1.25E-09(1.3 12.6)	1654, 1.39E-09(1.3 12.9)	1656, 1.44E-09(1.3 14.9)	1658, 1.31E-09(1.3 15.7)	1660, 1.25E-09(1.3 18.0)	1662, 1.31E-09(1.3 17.7)
1660, 1.25E-09(1.3 18.0)	1662, 1.31E-09(1.3 17.7)	1670, 1.43E-09(1.2 5.5)	1672, 1.42E-09(1.2 8.1)	1678, 1.27E-09(1.2 24.0)	1680, 1.35E-09(1.2 22.9)	1682, 1.50E-09(1.1 26.2)	1684, 1.49E-09(1.1 31.0)	1686, 1.36E-09(1.1 32.8)	1688, 1.34E-09(1.1 29.2)	1690, 1.34E-09(1.1 20.2)	1692, 1.32E-09(1.1 18.0)
1690, 1.34E-09(1.1 20.2)	1692, 1.32E-09(1.1 18.0)	1700, 1.56E-09(1.0 17.4)	1702, 1.47E-09(1.0 13.8)	1708, 1.31E-09(1.0 15.0)	1710, 1.41E-09(1.0 14.0)	1712, 1.49E-09(9 12.8)	1714, 1.46E-09(9 12.7)	1716, 1.43E-09(9 15.9)	1718, 1.47E-09(8 13.3)	1720, 1.48E-09(8 12.2)	1722, 1.47E-09(8 12.5)
1720, 1.48E-09(8 12.2)	1722, 1.47E-09(8 12.5)	1730, 1.51E-09(6 13.0)	1732, 1.59E-09(6 9.0)	1738, 1.50E-09(6 8)	1740, 1.54E-09(5 3.6)	1742, 1.52E-09(5 4)	1744, 1.44E-09(5 6.6)	1746, 1.38E-09(5 8.2)	1748, 1.36E-09(5 5.5)	1750, 1.43E-09(5 0.0)	1752, 1.54E-09(5 0.0)
1750, 1.43E-09(5 0.0)	1752, 1.54E-09(5 0.0)	1760, 1.56E-09(4 0.0)	1762, 1.42E-09(4 0.0)	1768, 1.30E-09(4 0.0)	1770, 1.30E-09(4 0.0)	1772, 1.36E-09(4 0.0)	1774, 1.44E-09(4 0.0)	1776, 1.40E-09(4 0.0)	1778, 1.27E-09(4 0.0)	1780, 1.18E-09(4 0.0)	1782, 1.16E-09(5 0.0)
1780, 1.18E-09(4 0.0)	1782, 1.16E-09(5 0.0)	1790, 1.36E-09(4 0.0)	1792, 0.00(0.0 0.0)	1798, 0.00(0.0 0.0)	135, 1.23(1.0 0.0)	139, 1.48(1.0 0.0)	148, 1.13(1.5 15.2)	154, 1.14(1.5 5)	161, 1.05(1.4 1.4)	166, 1.05(1.2 14.4)	172, 0.97(7 1.2)
1790, 1.36E-09(4 0.0)	1792, 0.00(0.0 0.0)	1794, 0.00(0.0 0.0)	1796, 0.00(0.0 0.0)	1798, 0.00(0.0 0.0)	0, 0.00(0.0 0.0)	0, 0.00(0.0 0.0)	0, 0.00(0.0 0.0)	0, 0.00(0.0 0.0)	0, 0.00(0.0 0.0)	0, 0.00(0.0 0.0)	0, 0.00(0.0 0.0)

X,Y(NM) -1.1 2.2 SL2- 2 13 SCANS, T= 272 PP CAR WT 1.0, SCALE .70  
 X,Y(NM) 4.7 17.2 SL4-131 12 SCANS, T= 270 PP CAR WT .7, SCALE 3.01

R = 1.38

$R = 0.44$

$R = \langle 1, 15 \rangle$

R = 1.19::

HD 93194

 $R = 0.69$

LAMBDA, F (WT, SIG)	F = AVE FLUX	FROM LAM-DEL/2 TO LAM+DEL/2	
1430, 0. (0.0 0.0)	1432, 0. (0.0 0.0)	1434, 0. (0.0 0.0)	1436, 1.05E-09 (8 0.0)
1440, 9.08E-10 (7 0.0)	1442, 6.18E-10 (6 0.0)	1444, 5.61E-10 (6 0.0)	1446, 7.37E-10 (6 0.0)
1450, 6.53E-10 (7 0.0)	1452, 8.21E-10 (8 0.0)	1454, 8.81E-10 (8 0.0)	1456, 7.52E-10 (8 0.0)
1460, 8.08E-10 (8 0.0)	1462, 7.43E-10 (8 0.0)	1464, 6.02E-10 (9 0.0)	1466, 7.23E-10 (9 0.0)
1470, 7.76E-10 (8 0.0)	1472, 7.78E-10 (8 0.0)	1474, 8.12E-10 (8 0.0)	1476, 7.91E-10 (8 0.0)
1480, 9.96E-10 (8 0.0)	1482, 1.16E-09 (8 0.0)	1484, 9.97E-10 (8 0.0)	1486, 9.46E-10 (8 0.0)
1490, 1.02E-09 (8 0.0)	1492, 8.53E-10 (8 0.0)	1494, 7.53E-10 (8 0.0)	1496, 8.19E-10 (8 0.0)
1500, 6.93E-10 (8 0.0)	1502, 8.28E-10 (8 0.0)	1504, 6.15E-10 (8 0.0)	1506, 6.23E-10 (8 0.0)
1510, 8.20E-10 (8 0.0)	1512, 6.66E-10 (8 0.0)	1514, 7.50E-10 (8 0.0)	1516, 8.99E-10 (8 0.0)
1520, 8.27E-10 (8 0.0)	1522, 8.22E-10 (8 0.0)	1524, 8.89E-10 (8 0.0)	1526, 9.33E-10 (8 0.0)
1530, 8.19E-10 (8 0.0)	1532, 8.26E-10 (8 0.0)	1534, 6.84E-10 (8 0.0)	1536, 6.52E-10 (8 0.0)
1540, 6.88E-10 (8 0.0)	1542, 7.21E-10 (8 0.0)	1544, 6.73E-10 (8 0.0)	1546, 5.98E-10 (8 0.0)
1550, 5.96E-10 (8 0.0)	1552, 5.49E-10 (8 0.0)	1554, 6.74E-10 (8 0.0)	1556, 6.12E-10 (8 0.0)
1560, 5.46E-10 (8 0.0)	1562, 5.62E-10 (8 0.0)	1564, 6.38E-10 (8 0.0)	1566, 6.24E-10 (8 0.0)
1570, 6.15E-10 (8 0.0)	1572, 6.86E-10 (8 0.0)	1574, 6.91E-10 (8 0.0)	1576, 7.32E-10 (8 0.0)
1580, 7.67E-10 (8 0.0)	1582, 6.19E-10 (8 0.0)	1584, 6.26E-10 (8 0.0)	1586, 6.72E-10 (8 0.0)
1590, 5.47E-10 (8 0.0)	1592, 5.24E-10 (8 0.0)	1594, 4.77E-10 (8 0.0)	1596, 5.54E-10 (8 0.0)
1600, 7.33E-10 (7 0.0)	1602, 7.22E-10 (7 0.0)	1604, 6.38E-10 (8 0.0)	1606, 6.42E-10 (8 0.0)
1610, 6.86E-10 (7 0.0)	1612, 7.46E-10 (7 0.0)	1614, 6.79E-10 (8 0.0)	1616, 6.36E-10 (8 0.0)
1620, 7.14E-10 (7 0.0)	1622, 7.17E-10 (7 0.0)	1624, 6.46E-10 (7 0.0)	1626, 6.85E-10 (7 0.0)
1630, 6.56E-10 (7 0.0)	1632, 6.08E-10 (8 0.0)	1634, 5.78E-10 (8 0.0)	1636, 6.19E-10 (8 0.0)
1640, 6.30E-10 (7 0.0)	1642, 6.43E-10 (7 0.0)	1644, 7.22E-10 (7 0.0)	1646, 7.52E-10 (7 0.0)
1650, 6.12E-10 (8 0.0)	1652, 6.81E-10 (8 0.0)	1654, 7.12E-10 (7 0.0)	1656, 7.31E-10 (7 0.0)
1660, 7.20E-10 (7 0.0)	1662, 7.65E-10 (7 0.0)	1664, 6.98E-10 (7 0.0)	1666, 6.80E-10 (7 0.0)
1670, 8.19E-10 (7 0.0)	1672, 7.55E-10 (7 0.0)	1674, 7.26E-10 (7 0.0)	1676, 7.44E-10 (7 0.0)
1680, 7.59E-10 (7 0.0)	1682, 7.79E-10 (7 0.0)	1684, 7.46E-10 (7 0.0)	1686, 7.56E-10 (7 0.0)
1690, 8.27E-10 (7 0.0)	1692, 7.96E-10 (7 0.0)	1694, 7.77E-10 (7 0.0)	1696, 7.57E-10 (7 0.0)
1700, 6.52E-10 (7 0.0)	1702, 6.42E-10 (7 0.0)	1704, 6.14E-10 (8 0.0)	1706, 5.65E-10 (8 0.0)
1710, 5.54E-10 (8 0.0)	1712, 5.72E-10 (7 0.0)	1714, 6.17E-10 (7 0.0)	1716, 6.22E-10 (7 0.0)
1720, 5.64E-10 (7 0.0)	1722, 5.27E-10 (7 0.0)	1724, 4.98E-10 (7 0.0)	1726, 5.30E-10 (7 0.0)
1730, 6.47E-10 (7 0.0)	1732, 6.40E-10 (7 0.0)	1734, 6.17E-10 (7 0.0)	1736, 6.17E-10 (7 0.0)
1740, 6.24E-10 (7 0.0)	1742, 6.25E-10 (7 0.0)	1744, 6.31E-10 (7 0.0)	1746, 6.35E-10 (7 0.0)
1750, 6.04E-10 (7 0.0)	1752, 5.79E-10 (7 0.0)	1754, 5.45E-10 (7 0.0)	1756, 5.11E-10 (7 0.0)
1760, 5.39E-10 (7 0.0)	1762, 5.59E-10 (7 0.0)	1764, 5.58E-10 (7 0.0)	1766, 5.42E-10 (7 0.0)
1770, 5.14E-10 (7 0.0)	1772, 5.09E-10 (7 0.0)	1774, 4.96E-10 (7 0.0)	1776, 4.85E-10 (7 0.0)
1780, 5.08E-10 (7 0.0)	1782, 4.89E-10 (7 0.0)	1784, 4.58E-10 (7 0.0)	1786, 4.57E-10 (7 0.0)
1790, 4.79E-10 (7 0.0)	1792, 4.94E-10 (7 0.0)	1794, 5.01E-10 (7 0.0)	1796, 5.18E-10 (7 0.0)
1800, 5.14E-10 (7 0.0)	1802, 5.05E-10 (7 0.0)	1804, 5.10E-10 (7 0.0)	1806, 5.15E-10 (7 0.0)
1810, 5.02E-10 (7 0.0)	1812, 5.13E-10 (7 0.0)	1814, 5.31E-10 (7 0.0)	1816, 5.41E-10 (7 0.0)
1820, 5.12E-10 (7 0.0)	1822, 4.99E-10 (7 0.0)	1824, 4.85E-10 (7 0.0)	1826, 4.81E-10 (7 0.0)
1800, 5.17E-10 (7 0.0)	1805, 5.11E-10 (7 0.0)	1810, 5.07E-10 (7 0.0)	1815, 5.34E-10 (7 0.0)
1825, 4.85E-10 (7 0.0)	1830, 5.01E-10 (7 0.0)	1835, 4.90E-10 (7 0.0)	1840, 4.73E-10 (7 0.0)
1850, 4.70E-10 (7 0.0)	1855, 4.38E-10 (7 0.0)	1860, 4.58E-10 (6 0.0)	1865, 4.97E-10 (6 0.0)
1875, 4.99E-10 (6 0.0)	1880, 5.04E-10 (6 0.0)	1885, 4.80E-10 (6 0.0)	1890, 4.88E-10 (6 0.0)
1900, 4.77E-10 (6 0.0)	1905, 4.84E-10 (6 0.0)	1910, 4.72E-10 (6 0.0)	1915, 4.67E-10 (6 0.0)
1925, 4.60E-10 (6 0.0)	1930, 4.77E-10 (6 0.0)	1935, 4.38E-10 (6 0.0)	1940, 4.26E-10 (6 0.0)
1950, 4.10E-10 (6 0.0)	1955, 4.23E-10 (6 0.0)	1960, 3.98E-10 (6 0.0)	1965, 3.89E-10 (6 0.0)
1975, 4.17E-10 (6 0.0)	1980, 4.07E-10 (6 0.0)	1985, 4.06E-10 (6 0.0)	1990, 3.69E-10 (6 0.0)
2000, 3.41E-10 (6 0.0)	2005, 3.33E-10 (6 0.0)	2010, 3.18E-10 (6 0.0)	2015, 3.21E-10 (6 0.0)
2025, 3.41E-10 (6 0.0)	2030, 3.26E-10 (6 0.0)	2035, 2.97E-10 (6 0.0)	2040, 2.76E-10 (6 0.0)
2050, 2.76E-10 (6 0.0)	2055, 2.75E-10 (6 0.0)	2060, 2.74E-10 (6 0.0)	2065, 2.66E-10 (5 0.0)
2075, 2.67E-10 (5 0.0)	2080, 2.46E-10 (6 0.0)	2085, 2.25E-10 (6 0.0)	2090, 2.15E-10 (6 0.0)
2100, 2.37E-10 (5 0.0)	2105, 2.45E-10 (5 0.0)	2110, 2.35E-10 (5 0.0)	2115, 2.20E-10 (5 0.0)
2125, 2.02E-10 (5 0.0)	2130, 1.97E-10 (5 0.0)	2135, 2.04E-10 (5 0.0)	2140, 2.05E-10 (5 0.0)
2150, 1.88E-10 (5 0.0)	2155, 1.77E-10 (5 0.0)	2160, 1.74E-10 (5 0.0)	2165, 1.79E-10 (5 0.0)
2175, 1.89E-10 (5 0.0)	2180, 1.91E-10 (5 0.0)	2185E, 1.94E-10 (5 0.0)	2190E, 1.96E-10 (5 0.0)
2200E, 1.93E-10 (5 0.0)	2205E, 1.89E-10 (5 0.0)	2210E, 1.92E-10 (5 0.0)	2215E, 1.99E-10 (4 0.0)
2225E, 2.03E-10 (4 0.0)	2230E, 1.95E-10 (4 0.0)	2235E, 1.85E-10 (4 0.0)	2240E, 1.76E-10 (4 0.0)
2250E, 1.73E-10 (4 0.0)	2255E, 1.81E-10 (4 0.0)	2260E, 1.82E-10 (4 0.0)	2265E, 1.78E-10 (4 0.0)
2275E, 1.69E-10 (4 0.0)	2280E, 1.69E-10 (4 0.0)	2285E, 1.68E-10 (4 0.0)	2290E, 1.66E-10 (4 0.0)
2300E, 1.69E-10 (4 0.0)	2305E, 1.68E-10 (4 0.0)	2310E, 1.67E-10 (4 0.0)	2315E, 1.73E-10 (4 0.0)
2330E, 1.69E-10 (4 0.0)	2330E, 1.69E-10 (4 0.0)	2330E, 1.83E-10 (4 0.0)	2330E, 1.86E-10 (4 0.0)
2350E, 1.83E-10 (4 0.0)	2360E, 1.83E-10 (4 0.0)	2370E, 1.67E-10 (4 0.0)	2380E, 1.61E-10 (4 0.0)
2400E, 1.75E-10 (3 0.0)	2410E, 1.86E-10 (3 0.0)	2420E, 2.03E-10 (3 0.0)	2430E, 2.10E-10 (3 0.0)
2450E, 1.98E-10 (3 0.0)	2460E, 1.96E-10 (3 0.0)	2470E, 2.14E-10 (2 0.0)	2480E, 2.34E-10 (2 0.0)
135, 0.00(0.0 0.0)	139, 0.00(0.0 0.0)	148, 1.54(.8 0.0)	154, 1.79(.8 0.0)
166, 1.75(.7 0.0)	172, 1.95(.7 0.0)	181, 2.16(.7 0.0)	192, 2.26(.6 0.0)
219E, 3.21(.5 0.0)	0, 0.00(0.0 0.0)	0, 0.00(0.0 0.0)	0, 0.00(0.0 0.0)
161, 1.88(.8 0.0)	204, 2.71(.6 0.0)	0, 0.00(0.0 0.0)	0, 0.00(0.0 0.0)

X, Y (MM) -18.3 -5.6 SL3- 39 18 SCANS, T= 225: DEL-2 CHA WT 1.0, SCALE 1.00

R = 1.58:

R = 1.45

LAMBDA				F				(WT)				SIG				F - AXE FLUX				FROM LAM-DEL/2				TO LAM-DEL/2			
14700	2.42E-10	3	0.0	14720	2.45E-10	3	0.0	14740	2.06E-10	3	0.0	14760	2.15E-10	3	0.0	14780	2.50E-10	3	0.0	14800	2.11E-10	3	0.0				
14800	2.00E-10	3	0.0	14820	2.14E-10	3	0.0	14840	2.30E-10	3	0.0	14860	2.18E-10	4	0.0	14880	2.11E-10	3	0.0	14900	2.24E-10	3	0.0				
14900	2.08E-10	4	0.0	14920	2.05E-10	4	0.0	14940	2.23E-10	4	0.0	14960	2.16E-10	5	0.0	14980	2.24E-10	5	0.0	15000	2.16E-10	4	0.0				
15000	2.16E-10	4	0.0	15020	1.86E-10	4	0.0	15040	1.93E-10	4	0.0	15060	1.89E-10	5	0.0	15080	2.37E-10	5	0.0	15100	2.46E-10	6	0.0				
15100	2.46E-10	6	0.0	15120	2.02E-10	6	0.0	15140	2.06E-10	5	0.0	15160	1.81E-10	5	0.0	15180	1.80E-10	5	0.0	15200	1.91E-10	5	0.0				
15200	1.91E-10	5	0.0	15220	2.12E-10	6	0.0	15240	2.36E-10	7	0.0	15260	2.35E-10	7	0.0	15280	2.22E-10	7	0.0	15300	2.31E-10	5	0.0				
15300	2.31E-10	5	0.0	15320	2.15E-10	5	0.0	15340	2.63E-10	6	0.0	15360	2.12E-10	5	0.0	15380	2.10E-10	5	0.0	15400	1.66E-10	5	0.0				
15400	1.66E-10	5	0.0	15420	1.74E-10	6	0.0	15440	1.94E-10	7	0.0	15460	1.95E-10	8	0.0	15480	2.11E-10	8	0.0	15500	2.02E-10	7	0.0				
15500	2.02E-10	7	0.0	15520	2.07E-10	6	0.0	15540	2.29E-10	6	0.0	15560	2.34E-10	5	0.0	15580	1.13E-10	5	0.0	15600	2.09E-10	5	0.0				
15600	2.09E-10	5	0.0	15620	2.15E-10	5	0.0	15640	2.10E-10	5	0.0	15660	2.02E-10	5	0.0	15680	1.94E-10	5	0.0	15700	1.77E-10	5	0.0				
15700	1.77E-10	5	0.0	15720	1.96E-10	5	0.0	15740	2.11E-10	5	0.0	15760	2.05E-10	5	0.0	15780	1.96E-10	5	0.0	15800	1.96E-10	5	0.0				
15800	1.96E-10	5	0.0	15820	1.98E-10	5	0.0	15840	2.07E-10	5	0.0	15860	2.12E-10	5	0.0	15880	2.05E-10	5	0.0	15900	2.09E-10	5	0.0				
15900	2.09E-10	5	0.0	15920	2.10E-10	5	0.0	15940	2.13E-10	5	0.0	15960	2.16E-10	5	0.0	15980	2.26E-10	5	0.0	16000	2.31E-10	5	0.0				
16000	2.31E-10	5	0.0	16020	2.15E-10	5	0.0	16040	2.10E-10	5	0.0	16060	2.12E-10	5	0.0	16080	2.10E-10	5	0.0	16100	2.12E-10	5	0.0				
16100	2.12E-10	5	0.0	16120	2.13E-10	5	0.0	16140	2.18E-10	5	0.0	16160	2.16E-10	5	0.0	16180	2.21E-10	5	0.0	16200	2.31E-10	5	0.0				
16200	2.31E-10	5	0.0	16220	2.40E-10	5	0.0	16240	2.36E-10	5	0.0	16260	2.26E-10	5	0.0	16280	2.24E-10	5	0.0	16300	2.31E-10	5	0.0				
16300	2.31E-10	5	0.0	16320	2.30E-10	5	0.0	16340	2.26E-10	5	0.0	16360	2.21E-10	5	0.0	16380	2.18E-10	5	0.0	16400	2.13E-10	5	0.0				
16400	2.13E-10	5	0.0	16420	2.10E-10	5	0.0	16440	2.09E-10	5	0.0	16460	2.18E-10	5	0.0	16480	2.20										

X,Y(MM) 4.5 -20.7 SL2- 4 19 SCANS. T= 224 LAM CEN WT .9 SCALE 1.00

R 1 58



HD 101379

HR 4492

HD 101379

LAMBDA, F (WT, SIG) F = AVE FLUX FROM LAM-DEL/2 TO LAM+DEL/2

2250U	1.05E-11	(.4 0.0)	2255U	1.01E-11	(.4 0.0)	2260U	1.03E-11	(.4 0.0)	2265U	1.06E-11	(.5 0.0)	2270U	1.12E-11	(.5 0.0)
2275	1.17E-11	(.6 0.0)	2280U	1.21E-11	(.6 0.0)	2285	1.18E-11	(.5 0.0)	2290U	1.07E-11	(.5 0.0)	2295U	9.73E-12	(.4 0.0)
2300U	9.19E-12	(.4 0.0)	2305U	9.07E-12	(.4 0.0)	2310U	9.21E-12	(.4 0.0)	2315	9.47E-12	(.5 0.0)	0	0	(0.0 0.0)
2300U	9.25E-12	(.4 0.0)	2310U	9.23E-12	(.4 0.0)	2320U	9.44E-12	(.4 0.0)	2330	9.36E-12	(.5 0.0)	2340	1.02E-11	(.6 0.0)
2350	1.02E-11	(.6 0.0)	2360	9.84E-12	(.6 0.0)	2370	1.06E-11	(.6 0.0)	2380	1.05E-11	(.6 0.0)	2390	9.18E-12	(.6 0.0)
2400	8.32E-12	(.6 0.0)	2410	8.78E-12	(.6 0.0)	2420	9.47E-12	(.6 0.0)	2430	9.25E-12	(.7 0.0)	2440	9.54E-12	(.7 0.0)
2450	9.86E-12	(.7 0.0)	2460	9.46E-12	(.7 0.0)	2470	9.32E-12	(.7 0.0)	2480	9.51E-12	(.8 0.0)	2490	9.15E-12	(.8 0.0)
2500	8.54E-12	(.8 0.0)	2510	8.95E-12	(.8 0.0)	2520	9.50E-12	(.9 0.0)	2530	9.81E-12	(1.0 0.0)	2540	1.01E-11	(1.0 0.0)
2550	9.77E-12	(1.0 0.0)	2560	9.59E-12	(1.0 0.0)	2570	9.40E-12	(1.0 0.0)	2580	9.17E-12	(1.0 0.0)	2590	9.37E-12	(1.0 0.0)
2600	9.22E-12	(1.0 0.0)	2610	9.26E-12	(1.0 0.0)	2620	9.93E-12	(1.0 0.0)	2630	1.03E-11	(1.0 0.0)	2640	1.03E-11	(1.0 0.0)
2650	1.06E-11	(1.0 0.0)	2660	1.12E-11	(1.0 0.0)	2670	1.16E-11	(1.0 0.0)	2680	1.15E-11	(1.0 0.0)	2690	1.14E-11	(1.0 0.0)
2700	1.16E-11	(1.0 0.0)	2710	1.17E-11	(1.0 0.0)	2720	1.18E-11	(1.0 0.0)	2730	1.20E-11	(1.0 0.0)	2740	1.21E-11	(1.0 0.0)
2750	1.20E-11	(1.0 0.0)	2760	1.18E-11	(1.0 0.0)	2770	1.17E-11	(1.0 0.0)	2780	1.15E-11	(1.0 0.0)	2790	1.15E-11	(1.0 0.0)
2800	1.18E-11	(1.0 0.0)	2810	1.22E-11	(1.0 0.0)	2820	1.26E-11	(1.0 0.0)	2830	1.28E-11	(1.0 0.0)	2840	1.29E-11	(1.0 0.0)
2850	1.29E-11	(1.0 0.0)	2860	1.28E-11	(1.0 0.0)	2870	1.28E-11	(1.0 0.0)	2880	1.28E-11	(1.0 0.0)	2890	1.29E-11	(1.0 0.0)
2900	1.30E-11	(1.0 0.0)	2910	1.31E-11	(1.0 0.0)	2920	1.30E-11	(1.0 0.0)	2930	1.30E-11	(1.0 0.0)	2940	1.32E-11	(1.0 0.0)
2950	1.35E-11	(1.0 0.0)	2960	1.37E-11	(1.0 0.0)	2970	1.37E-11	(1.0 0.0)	2980	1.35E-11	(1.0 0.0)	2990	1.32E-11	(1.0 0.0)
3000	1.30E-11	(1.0 0.0)	3010	1.30E-11	(1.0 0.0)	3020	1.32E-11	(1.0 0.0)	3030	1.32E-11	(1.0 0.0)	0	0	(0.0 0.0)
3000	1.30E-11	(1.0 0.0)	3020	1.32E-11	(1.0 0.0)	3040	1.30E-11	(1.0 0.0)	3060	1.26E-11	(1.0 0.0)	3080	1.28E-11	(1.0 0.0)
3100	1.29E-11	(1.0 0.0)	3120	1.31E-11	(1.0 0.0)	3140	1.36E-11	(1.0 0.0)	3160	1.41E-11	(1.0 0.0)	3180	1.45E-11	(1.0 0.0)
3200	1.50E-11	(1.0 0.0)	3220	1.53E-11	(1.0 0.0)	3240	1.53E-11	(1.0 0.0)	3260	1.53E-11	(1.0 0.0)	3280	1.56E-11	(1.0 0.0)
3300	1.59E-11	(1.0 0.0)	3320	1.60E-11	(1.0 0.0)	3340	1.61E-11	(1.0 0.0)	3360	1.64E-11	(1.0 0.0)	3380	1.63E-11	(1.0 0.0)
3400	1.60E-11	(1.0 0.0)	3420	1.56E-11	(1.0 0.0)	3440	1.54E-11	(1.0 0.0)	3460	1.52E-11	(1.0 0.0)	3480	1.50E-11	(1.0 0.0)
3500	1.48E-11	(1.0 0.0)	3520	1.48E-11	(1.0 0.0)	3540	1.48E-11	(1.0 0.0)	3560	1.46E-11	(1.0 0.0)	3580	1.44E-11	(1.0 0.0)
3600	1.42E-11	(1.0 0.0)	3620	1.43E-11	(1.0 0.0)	3640	1.43E-11	(1.0 0.0)	3660	1.44E-11	(1.0 0.0)	3680	1.45E-11	(1.0 0.0)
3700	1.46E-11	(1.0 0.0)	3720	1.48E-11	(1.0 0.0)	3740	1.50E-11	(1.0 0.0)	3760	1.52E-11	(1.0 0.0)	3780	1.53E-11	(1.0 0.0)
3800	1.54E-11	(1.0 0.0)	3820	1.57E-11	(1.0 0.0)	3840	1.61E-11	(1.0 0.0)	3860	1.66E-11	(1.0 0.0)	3880	1.75E-11	(1.0 0.0)
3900	1.83E-11	(1.0 0.0)	3920	1.90E-11	(1.0 0.0)	3940	1.96E-11	(1.0 0.0)	3960	2.01E-11	(1.0 0.0)	3980	2.05E-11	(1.0 0.0)
4000	2.11E-11	(1.0 0.0)	4020	2.18E-11	(1.0 0.0)	4040	2.28E-11	(1.0 0.0)	4060	2.38E-11	(1.0 0.0)	4080	2.51E-11	(1.0 0.0)
4100	2.63E-11	(1.0 0.0)	4120	2.74E-11	(1.0 0.0)	4140	2.85E-11	(1.0 0.0)	4160	2.94E-11	(1.0 0.0)	4180	3.04E-11	(1.0 0.0)
135	0.00(0.0 0.0)		139	0.00(0.0 0.0)		148	0.00(0.0 0.0)		154	0.00(0.0 0.0)		161	0.00(0.0 0.0)	
166	0.00(0.0 0.0)		172	0.00(0.0 0.0)		181	0.00(0.0 0.0)		192	0.00(0.0 0.0)		204	0.00(0.0 0.0)	
219	0.00(0.0 0.0)		245	6.45(7.0 0.0)		280	6.20(1.0 0.0)		360	5.89(1.0 0.0)		0	0.00(0.0 0.0)	

X,Y(MM) -12.3 15.2 SL2- 3 21 SCANS, T= 212 HR 4492 WT 1.0, SCALE 1.00

R = &lt;1.07&gt;



HD 102647

BET LEO

HD 102647

LAMBDA, F (WT, SIG) F = AVE FLUX FROM LAM-DEL/2 TO LAM+DEL/2

1530U	1.14E-10	1	0.0	1532U	1.30E-10	1	0.0	1534U	1.52E-10	1	0.0	1536U	9.61E-11	1	0.0	1538U	1.28E-10	1	0.0
1540U	1.68E-10	2	0.0	1542U	1.63E-10	2	0.0	1544U	1.68E-10	2	0.0	1546U	1.51E-10	2	0.0	1548U	1.58E-10	2	0.0
1550U	1.73E-10	2	0.0	1552U	1.65E-10	3	0.0	1554U	2.06E-10	3	0.0	1556U	1.94E-10	3	0.0	1558U	1.92E-10	3	0.0
1560U	1.94E-10	3	0.0	1562U	1.82E-10	3	0.0	1564U	1.56E-10	2	0.0	1566U	1.45E-10	2	0.0	1568U	1.55E-10	2	0.0
1570U	1.84E-10	3	0.0	1572U	1.64E-10	3	0.0	1574U	1.77E-10	4	0.0	1576U	2.04E-10	5	0.0	1578U	2.74E-10	7	0.0
1580U	2.71E-10	7	0.0	1582U	2.75E-10	7	0.0	1584U	2.69E-10	7	0.0	1586U	3.04E-10	7	0.0	1588U	3.46E-10	7	0.0
1590U	3.12E-10	7	0.0	1592U	2.79E-10	7	0.0	1594U	2.91E-10	7	0.0	1596U	2.89E-10	7	0.0	1598U	2.89E-10	7	0.0
1600U	2.92E-10	7	0.0	1602U	2.98E-10	7	0.0	1604U	2.99E-10	7	0.0	1606U	3.05E-10	7	0.0	1608U	3.05E-10	7	0.0
1610U	3.06E-10	7	0.0	1612U	2.80E-10	7	0.0	1614U	3.03E-10	7	0.0	1616U	3.31E-10	7	0.0	1618U	3.29E-10	7	0.0
1620U	3.28E-10	7	0.0	1622U	3.32E-10	7	0.0	1624U	3.48E-10	7	0.0	1626U	3.47E-10	7	0.0	1628U	3.30E-10	7	0.0
1630U	3.52E-10	7	0.0	1632U	3.63E-10	7	0.0	1634U	3.41E-10	7	0.0	1636U	3.34E-10	7	0.0	1638U	3.61E-10	7	0.0
1640U	3.79E-10	7	0.0	1642U	3.69E-10	7	0.0	1644U	3.62E-10	7	0.0	1646U	3.62E-10	7	0.0	1648U	3.70E-10	7	0.0
1650U	3.57E-10	7	0.0	1652U	3.31E-10	7	0.0	1654U	3.37E-10	7	0.0	1656U	3.39E-10	7	0.0	1658U	3.53E-10	7	0.0
1660U	3.83E-10	7	0.0	1662U	3.83E-10	7	0.0	1664U	3.45E-10	7	0.0	1666U	3.26E-10	7	0.0	1668U	3.44E-10	7	0.0
1670U	3.80E-10	7	0.0	1672U	4.11E-10	7	0.0	1674U	4.30E-10	7	0.0	1676U	4.38E-10	7	0.0	1678U	4.29E-10	7	0.0
1680U	4.13E-10	7	0.0	1682U	4.07E-10	7	0.0	1684U	3.97E-10	7	0.0	1686U	3.96E-10	7	0.0	1688U	4.15E-10	7	0.0
1690U	4.30E-10	7	0.0	1692U	4.54E-10	7	0.0	1694U	4.76E-10	7	0.0	1696U	4.67E-10	7	0.0	1698U	4.67E-10	7	0.0
1700U	4.73E-10	7	0.0	1702U	4.64E-10	7	0.0	1704U	4.60E-10	7	0.0	1706U	4.73E-10	7	0.0	1708U	4.83E-10	7	0.0
1710U	4.75E-10	7	0.0	1712U	4.64E-10	7	0.0	1714U	4.63E-10	7	0.0	1716U	4.58E-10	7	0.0	1718U	4.45E-10	7	0.0
1720U	4.49E-10	7	0.0	1722U	4.74E-10	7	0.0	1724U	4.83E-10	7	0.0	1726U	4.79E-10	7	0.0	1728U	4.96E-10	7	0.0
1730U	5.15E-10	7	0.0	1732U	4.96E-10	7	0.0	1734U	4.44E-10	7	0.0	1736U	4.22E-10	7	0.0	1738U	4.67E-10	7	0.0
1740U	5.39E-10	6	0.0	1742U	5.60E-10	6	0.0	1744U	5.24E-10	6	0.0	1746U	4.95E-10	6	0.0	1748U	5.08E-10	6	0.0
1750U	5.32E-10	6	0.0	1752U	5.47E-10	6	0.0	1754U	5.35E-10	6	0.0	1756U	5.08E-10	6	0.0	1758U	4.85E-10	6	0.0
1760U	4.86E-10	6	0.0	1762U	4.96E-10	6	0.0	1764U	4.97E-10	6	0.0	1766U	4.79E-10	6	0.0	1768U	4.60E-10	6	0.0
1770U	4.66E-10	6	0.0	1772U	4.91E-10	6	0.0	1774U	5.06E-10	6	0.0	1776U	5.05E-10	6	0.0	1778U	5.05E-10	6	0.0
1780U	5.12E-10	5	0.0	1782U	5.29E-10	5	0.0	1784U	5.51E-10	5	0.0	1786U	5.48E-10	5	0.0	1788U	5.18E-10	5	0.0
1790U	5.02E-10	5	0.0	1792U	5.25E-10	5	0.0	1794U	5.58E-10	5	0.0	1796U	5.94E-10	5	0.0	1798U	6.56E-10	4	0.0
1800U	7.23E-10	4	0.0	1802U	7.12E-10	4	0.0	1804U	6.13E-10	4	0.0	1806U	5.17E-10	5	0.0	1808U	4.82E-10	5	0.0
1810U	5.00E-10	5	0.0	1812U	5.36E-10	5	0.0	1814U	5.50E-10	5	0.0	1816U	5.42E-10	5	0.0	1818U	5.36E-10	4	0.0
1820U	5.48E-10	4	0.0	1822U	5.67E-10	4	0.0	1824U	5.78E-10	4	0.0	1826U	5.79E-10	4	0.0	1828U	0.0	0.0	0.0
1800U	7.05E-10	4	0.0	1805U	5.68E-10	5	0.0	1810U	5.04E-10	5	0.0	1815U	5.45E-10	5	0.0	1820U	5.49E-10	4	0.0
1825U	5.77E-10	4	0.0	1830U	5.47E-10	4	0.0	1835U	5.42E-10	4	0.0	1840U	5.12E-10	4	0.0	1845U	5.11E-10	4	0.0
1850U	5.38E-10	4	0.0	1855U	5.13E-10	4	0.0	1860U	5.26E-10	4	0.0	1865U	4.82E-10	4	0.0	1870U	5.19E-10	4	0.0
1875U	5.35E-10	4	0.0	1880U	4.72E-10	4	0.0	1885U	4.61E-10	4	0.0	1890U	4.82E-10	4	0.0	1895U	5.28E-10	4	0.0
1900E	5.79E-10	3	0.0	1905E	5.80E-10	3	0.0	1910U	5.60E-10	3	0.0	1915U	5.19E-10	3	0.0	1920U	5.47E-10	3	0.0
1925E	5.57E-10	3	0.0	1930E	5.37E-10	3	0.0	1935U	4.95E-10	4	0.0	1940U	4.63E-10	4	0.0	1945U	4.82E-10	3	0.0
1950E	5.80E-10	3	0.0	1955E	6.43E-10	3	0.0	1960E	6.21E-10	3	0.0	1965E	5.74E-10	3	0.0	1970E	5.65E-10	3	0.0
1975E	5.28E-10	3	0.0	1980E	6.09E-10	3	0.0	1985E	5.22E-10	3	0.0	1990E	5.44E-10	3	0.0	1995E	5.40E-10	3	0.0
2000E	5.40E-10	3	0.0	2005E	5.28E-10	3	0.0	2010E	4.97E-10	3	0.0	2015E	4.80E-10	3	0.0	2020E	4.46E-10	3	0.0
2025E	4.30E-10	3	0.0	2030E	4.64E-10	3	0.0	2035E	4.40E-10	2	0.0	2040E	5.34E-10	2	0.0	2045E	4.59E-10	2	0.0
2050E	4.64E-10	2	0.0	2055E	5.44E-10	2	0.0	2060E	6.25E-10	2	0.0	2065E	6.25E-10	2	0.0	2070E	5.45E-10	2	0.0
2075E	4.87E-10	2	0.0	2080E	5.15E-10	2	0.0	2085E	5.29E-10	2	0.0	2090E	4.85E-10	2	0.0	2095E	4.75E-10	2	0.0
2100E	4.94E-10	2	0.0	2105E	4.80E-10	2	0.0	2110E	4.62E-10	2	0.0	2115E	4.88E-10	2	0.0	2120E	5.21E-10	2	0.0
135U	0.00(0.0 0.0)	139U	0.00(0.0 0.0)	148U	0.00(0.0 0.0)	154U	0.00(0.0 0.0)	161U	2.65(0.7 0.0)										
166U	2.44(0.7 0.0)	172U	2.19(0.7 0.0)	181U	2.06(0.5 0.0)	192U	2.08(0.3 0.0)	204E	2.13(0.2 0.0)										
219U	0.00(0.0 0.0)	245U	0.00(0.0 0.0)	280U	0.00(0.0 0.0)	360U	0.00(0.0 0.0)	0	0.00(0.0 0.0)										

X,Y(MM) 3.3 9 SL4- 19 20 SCANS, T= 200: BET LEO WT .7, SCALE 1.00

R = (0.79)

LAMBDA, F (W, SIG)				F = AVE FLUX FROM LAM-DEL/2 TO LAM-DEL/2				LAMBDA, F (W, SIG)				F = AVE FLUX FROM LAM-DEL/2 TO LAM-DEL/2			
LAMBDA	F	(W)	(SIG)	LAMBDA	F	(W)	(SIG)	LAMBDA	F	(W)	(SIG)	LAMBDA	F	(W)	(SIG)
1380.0	0.95E-10	3	0.0	1392.0	0.09E-10	2	0.0	1394.0	3.11E-10	1	0.0	1396.0	2.82E-10	1	0.0
1390.0	4.95E-10	3	0.0	1392.0	0.09E-10	2	0.0	1394.0	3.11E-10	1	0.0	1396.0	2.82E-10	1	0.0
1400.0	3.89E-10	2	0.0	1402.0	3.38E-10	2	0.0	1404.0	3.00E-10	2	0.0	1406.0	3.29E-10	2	0.0
1410.0	2.99E-10	2	0.0	1412.0	2.50E-10	2	0.0	1414.0	2.78E-10	2	0.0	1416.0	2.69E-10	2	0.0
1420.0	3.31E-10	3	0.0	1422.0	2.96E-10	3	0.0	1424.0	2.53E-10	3	0.0	1426.0	2.84E-10	3	0.0
1430.0	4.28E-10	5	0.0	1432.0	4.29E-10	6	0.0	1434.0	4.26E-10	6	0.0	1436.0	4.38E-10	6	0.0
1440.0	3.77E-10	6	0.0	1442.0	3.86E-10	6	0.0	1444.0	3.94E-10	6	0.0	1446.0	3.95E-10	6	0.0
1450.0	3.66E-10	7	0.0	1452.0	3.57E-10	7	0.0	1454.0	3.98E-10	7	0.0	1456.0	3.96E-10	8	0.0
1460.0	4.20E-10	9	0.0	1462.0	4.45E-10	10	0.0	1464.0	4.76E-10	10	0.0	1466.0	4.56E-10	10	0.0
1470.0	3.94E-10	1.0	0.0	1472.0	4.04E-10	1.0	0.0	1474.0	3.89E-10	1.0	0.0	1476.0	4.10E-10	9	0.0
1480.0	3.96E-10	1.0	0.0	1482.0	4.13E-10	1.0	0.0	1484.0	4.27E-10	1.0	0.0	1486.0	4.30E-10	1.0	0.0
1490.0	4.61E-10	1.0	0.0	1492.0	4.48E-10	1.0	0.0	1494.0	4.24E-10	1.0	0.0	1496.0	4.39E-10	1.0	0.0
1500.0	4.14E-10	1.0	0.0	1502.0	4.31E-10	1.0	0.0	1504.0	4.46E-10	1.0	0.0	1506.0	4.44E-10	1.0	0.0
1510.0	4.50E-10	1.0	0.0	1512.0	4.57E-10	1.0	0.0	1514.0	4.46E-10	1.0	0.0	1516.0	4.50E-10	1.0	0.0
1520.0	4.50E-10	1.0	0.0	1522.0	4.57E-10	1.0	0.0	1524.0	4.50E-10	1.0	0.0	1526.0	4.52E-10	1.0	0.0
1530.0	4.11E-10	1.0	0.0	1532.0	3.94E-10	1.0	0.0	1534.0	3.70E-10	1.0	0.0	1536.0	3.76E-10	1.0	0.0
1540.0	4.05E-10	1.0	0.0	1542.0	4.09E-10	1.0	0.0	1544.0	4.16E-10	1.0	0.0	1546.0	3.95E-10	1.0	0.0
1550.0	3.58E-10	1.0	0.0	1552.0	3.64E-10	1.0	0.0	1554.0	3.67E-10	1.0	0.0	1556.0	3.57E-10	1.0	0.0
1560.0	3.62E-10	1.0	0.0	1562.0	3.69E-10	1.0	0.0	1564.0	3.71E-10	1.0	0.0	1566.0	3.57E-10	1.0	0.0
1570.0	3.60E-10	1.0	0.0	1572.0	3.59E-10	1.0	0.0	1574.0	3.76E-10	1.0	0.0	1576.0	3.71E-10	1.0	0.0
1580.0	3.88E-10	1.0	0.0	1582.0	3.70E-10	1.0	0.0	1584.0	3.77E-10	1.0	0.0	1586.0	3.77E-10	1.0	0.0
1590.0	3.85E-10	1.0	0.0	1592.0	3.68E-10	1.0	0.0	1594.0	3.59E-10	1.0	0.0	1596.0	3.60E-10	1.0	0.0
1600.0	3.59E-10	1.0	0.0	1602.0	3.56E-10	1.0	0.0	1604.0	3.57E-10	1.0	0.0	1606.0	3.55E-10	1.0	0.0
1610.0	3.31E-10	1.0	0.0	1612.0	3.35E-10	1.0	0.0	1614.0	3.47E-10	1.0	0.0	1616.0	3.48E-10	1.0	0.0
1620.0	3.42E-10	1.0													

X, Y (MM) -9.1 4.0 SL2- 3 17 SCANS. T= 212. HR 4549 WT 1.0, SCALE 1.00

$$R = 1.12$$

[illegible]

R = 1.62:

[illegible]

135,	-3.79(.4 0.0)	139E	-3.52(.4 0.0)	148E	-3.59(.2 0.0)	154,	0.00(0.0 0.0)	0,	0.00(0.0 0.0)
0,	0.00(0.0 0.0)	0,	0.00(0.0 0.0)	0,	0.00(0.0 0.0)	0,	0.00(0.0 0.0)	0,	0.00(0.0 0.0)
0,	0.00(0.0 0.0)	0,	0.00(0.0 0.0)	0,	0.00(0.0 0.0)	0,	0.00(0.0 0.0)	0,	0.00(0.0 0.0)

X,Y(NM) -12.0 .9 SL3- 1 15 SCANS, T= 26 ALF CRU WT .9, SCALE 1.00

R = 1.00+-

HD 110335

HR 4823

HD 110335

[illegible]

135,	0.00(0.0 0.0)	139,	0.00(0.0 0.0)	148,	- 0.00(0.0 0.0)	154,	0.00(0.0 0.0)	161,	3.35( .6 0.0)
166,	3.28(.9 0.0)	172,	3.18(1.0 0.0)	181,	3.32(1.0 0.0)	192,	3.47(.9 0.0)	204,	3.63(.8 0.0)
219,	3.73(.5 0.0)	245E	3.60(.3 0.0)	280,	0.00(0.0 0.0)	360,	0.00(0.0 0.0)	0,	0.00(0.0 0.0)

X,Y(MM) -7.6 13.6 SL3- 2 20 SCANS, T= 200: HR 4823 WT 1.0,SCALE 1.00

**R = 0.72:**







LAMBDA, F (WT, SIG)				F - AVE FLUX FROM LAM-DEL/2 TO LAM-DEL/2															
1530	3.48E-10	7	0.0	1532	3.89E-10	7	0.0	1534	3.75E-10	7	0.0	1536	3.51E-10	7	0.0	1538	3.96E-10	9	0.0
1540	3.70E-10	8	0.0	1542	4.42E-10	9	0.0	1544	4.40E-10	9	0.0	1546	3.55E-10	8	0.0	1548	3.74E-10	9	0.0
1550	4.19E-10	9	0.0	1552	4.16E-10	9	0.0	1554	4.24E-10	9	0.0	1556	4.51E-10	9	0.0	1558	4.30E-10	9	0.0
1560	3.59E-10	9	0.0	1562	3.57E-10	9	0.0	1564	3.36E-10	9	0.0	1566	3.15E-10	8	0.0	1568	3.28E-10	8	0.0
1570	3.16E-10	8	0.0	1572	3.24E-10	9	0.0	1574	3.06E-10	8	0.0	1576	3.50E-10	9	0.0	1578	3.76E-10	9	0.0
1580	3.62E-10	9	0.0	1582	3.38E-10	9	0.0	1584	3.18E-10	9	0.0	1586	2.85E-10	8	0.0	1588	3.00E-10	9	0.0
1590	3.04E-10	9	0.0	1592	3.00E-10	9	0.0	1594	3.30E-10	9	0.0	1596	3.35E-10	9	0.0	1598	3.47E-10	9	0.0
1600	3.29E-10	9	0.0	1602	3.20E-10	9	0.0	1604	2.94E-10	9	0.0	1606	3.30E-10	9	0.0	1608	3.46E-10	9	0.0
1610	3.99E-10	9	0.0	1612	2.98E-10	9	0.0	1614	3.00E-10	9	0.0	1616	3.25E-10	9	0.0	1618	3.44E-10	9	0.0
1620	3.25E-10	9	0.0	1622	3.09E-10	9	0.0	1624	3.32E-10	9	0.0	1626	3.51E-10	9	0.0	1628	3.41E-10	9	0.0
1630	3.44E-10	9	0.0	1632	3.58E-10	9	0.0	1634	3.35E-10	9	0.0	1636	3.11E-10	9	0.0	1638	2.98E-10	9	0.0
1640	3.00E-10	9	0.0	1642	3.11E-10	9	0.0	1644	3.07E-10	9	0.0	1646	3.11E-10	9	0.0	1648	3.30E-10	9	0.0
1650	3.39E-10	9	0.0	1652	3.28E-10	9	0.0	1654	3.25E-10	9	0.0	1656	3.36E-10	9	0.0	1658	3.40E-10	9	0.0
1660	3.37E-10	9	0.0	1662	3.31E-10	9	0.0	1664	3.23E-10	9	0.0	1666	3.30E-10	9	0.0	1668	3.49E-10	9	0.0
1670	3.38E-10	9	0.0	1672	3.23E-10	9	0.0	1674	3.06E-10	9	0.0	1676	3.04E-10	9	0.0	1678	3.14E-10	9	0.0
1680	3.03E-10	9	0.0	1682	3.05E-10	9	0.0	1684	3.04E-10	9	0.0	1686	3.17E-10	9	0.0	1688	3.23E-10	9	0.0
1690	3.19E-10	9	0.0	1692	3.20E-10	9	0.0	1694	3.25E-10	9	0.0	1696	3.20E-10	9	0.0	1698	3.21E-10	9	0.0
1700	3.38E-10	9	0.0	1702	3.35E-10	9	0.0	1704	3.31E-10	9	0.0	1706	3.33E-10	9	0.0	1708	3.15E-10	9	0.0
1710	3.12E-10	9	0.0	1712	3.21E-10	9	0.0	1714	3.30E-10	9	0.0	1716	3.35E-10	9	0.0	1718	3.21E-10	9	0.0
1720	3.19E-10	9	0.0	1722	3.24E-10	9	0.0	1724	3.17E-10	9	0.0	1726	3.18E-10	9	0.0	1728	3.27E-10	9	0.0
1730	3.35E-10	9	0.0	1732	3.30E-10	9	0.0	1734	3.25E-10	9	0.0	1736	3.37E-10	9	0.0	1738	3.48E-10	9	0.0
1740	3.46E-10	9	0.0	1742	3.46E-10	9	0.0	1744	3.43E-10	9	0.0	1746	3.37						

X,Y(MM) -14.7 -19.6 SL3- 2 16 SCANS. T= 200; HR 4975 WT .9, SCALE 1.00

 $R = 0.81$





LAMBDA	F	(WT)	SIG	F = AVE FLUX	FROM LAM-DEL/2	TO LAM-DEL/2
1310	2.09E-08	7	0.0	1312	2.30E-08	7 0.0
1320	2.56E-08	7	0.0	1322	2.45E-08	7 0.0
1330	2.42E-08	7	0.0	1332	2.22E-08	7 0.0
1340	2.33E-08	7	0.0	1342	2.21E-08	7 0.0
1350	2.06E-08	7	0.0	1352	2.17E-08	7 0.0
1360	1.97E-08	7	0.0	1362	1.91E-08	7 0.0
1370	2.16E-08	7	0.0	1372	1.77E-08	7 0.0
1380	1.98E-08	7	0.0	1382	1.70E-08	7 0.0
1390	1.73E-08	7	0.0	1392	1.23E-08	7 0.0
1400	1.31E-08	7	0.0	1402	1.23E-08	7 0.0
1410	1.54E-08	7	0.0	1412	1.44E-08	7 0.0
1420	1.35E-08	7	0.0	1422	1.60E-08	7 0.0
1430	1.41E-08	7	0.0	1432	1.36E-08	7 0.0
1440	1.71E-08	6	0.0	1442	1.44E-08	6 0.0
1450	1.52E-08	6	0.0	1452	1.45E-08	6 0.0
1460	1.38E-08	6	0.0	1462	1.53E-08	6 0.0
1470	1.22E-08	6	0.0	1472	1.54E-08	5 0.0
1480	1.31E-08	5	0.0	1482	1.28E-08	5 0.0
1490	1.47E-08	5	0.0	1492	1.13E-08	5 0.0
1500	1.16E-08	5	0.0	1502	1.07E-08	5 0.0
1510	1.07E-08	5	0.0	1512	1.05E-08	5 0.0
1520	1.11E-08	5	0.0	1522	1.20E-08	5 0.0
1530	1.00E-08	5	0.0	1532	1.10E-08	4 0.0
1540	1.06E-08	4	0.0	1542	1.01E-08	4 0.0
1550	8.03E-09	4	0.0	1552	9.15E-09	4 0.0
1560	9.42E-09	4	0.0	1562	9.27E-09	4 0.0
1570	1.13E-08	4	0.0	1572	1.03E-08	4 0.0
1580	9.57E-09	4	0.0	1582	1.02E-08	4 0.0
1590	8.92E-09	4	0.0	1592	7.78E-09	4 0.0
1600	8.98E-09	4	0.0	1602	7.58E-09	4 0.0
1610	7.83E-09	4	0.0	1612	7.8E-09	4 0.0
1620	7.88E-09	4	0.0	1622	8.14E-09	4 0.0
1630	8.80E-09	4	0.0	1632	9.94E-09	3 0.0
1640	8.33E-09	4	0.0	1642	6.79E-09	4 0.0
1650	8.43E-09	4	0.0	1652	8.50E-09	4 0.0
1660	7.16E-09	4	0.0	1662	7.58E-09	4 0.0
1670	7.11E-09	3	0.0	1672	7.44E-09	3 0.0
1680	8.81E-09	3	0.0	1682	8.61E-09	3 0.0
1690	9.39E-09	3	0.0	1692	9.04E-09	3 0.0
1700	8.17E-09	3	0.0	1702	7.83E-09	3 0.0
1710	7.34E-09	3	0.0	1712	7.35E-09	3 0.0
1720	8.40E-09	3	0.0	1722	7.51E-09	3 0.0
1730	6.83E-09	3	0.0	1732	6.89E-09	3 0.0
1740	6.51E-09	3	0.0	1742	7.44E-09	3 0.0
1750	5.95E-09	3	0.0	1752	5.86E-09	3 0.0
1760	5.13E-09	3	0.0	1762	4.94E-09	3 0.0
1770	6.58E-09	3	0.0	1772	6.24E-09	3 0.0
1780	5.37E-09	3	0.0	1782	5.27E-09	3 0.0
1790	6.51E-09	2	0.0	1792	7.07E-09	2 0.0
1800	4.70E-09	3	0.0	1802	4.56E-09	3 0.0
1810	5.11E-09	3	0.0	1812	4.36E-09	3 0.0
1820	5.10E-09	3	0.0	1822	4.88E-09	2 0.0
1800E	4.85E-09	3	0.0	1805E	4.77E-09	3 0.0
1825E	4.86E-09	2	0.0	1830E	5.16E-09	2 0.0
1850E	5.39E-09	2	0.0	1855E	4.70E-09	2 0.0

R = 3.63

HD 117651

HR 5093

HD 117651

LAMBDA	F	(WT, SIG)	F = AVE FLUX FROM LAM-DEL/2 TO LAM+DEL/2
1780.0	0.0	(0.0, 0.0)	1780.0 0.0
1780.0	7.95E-11	(.4, .0)	1780.0 7.95E-11
1800.0	7.19E-11	(.3, .0)	1800.0 7.19E-11
1810.0	6.24E-11	(.3, .0)	1810.0 6.24E-11
1820.0	6.42E-11	(.3, .0)	1820.0 6.42E-11
1800.0	7.23E-11	(.3, .0)	1800.0 7.23E-11
1825.0	5.92E-11	(.3, .0)	1825.0 5.92E-11
1790.0	4.57E-11	(.2, .0)	1790.0 4.57E-11
1850.0	4.88E-11	(.3, .0)	1850.0 4.88E-11
1900.0	5.17E-11	(.4, .0)	1900.0 5.17E-11
1925.0	4.23E-11	(.4, .0)	1925.0 4.23E-11
1950.0	5.12E-11	(.5, .0)	1950.0 5.12E-11
1975.0	5.31E-11	(.6, .0)	1975.0 5.31E-11
2000.0	4.30E-11	(.6, .0)	2000.0 4.30E-11
2025.0	3.55E-11	(.6, .0)	2025.0 3.55E-11
2050.0	3.15E-11	(.5, .0)	2050.0 3.15E-11
2075.0	3.00E-11	(.6, .0)	2075.0 3.00E-11
2100.0	2.51E-11	(.6, .0)	2100.0 2.51E-11
2125.0	3.11E-11	(.9, .0)	2125.0 3.11E-11
2150.0	2.97E-11	(.0, .0)	2150.0 2.97E-11
2175.0	2.65E-11	(.0, .0)	2175.0 2.65E-11
2200.0	2.48E-11	(.0, .0)	2200.0 2.48E-11
2225.0	2.53E-11	(.0, .0)	2225.0 2.53E-11
2250.0	2.49E-11	(.0, .0)	2250.0 2.49E-11
2275.0	2.53E-11	(.0, .0)	2275.0 2.53E-11
2300.0	2.33E-11	(.0, .0)	2300.0 2.33E-11
2300.0	2.34E-11	(.0, .0)	2300.0 2.34E-11
2350.0	1.96E-11	(.0, .0)	2350.0 1.96E-11
2400.0	1.98E-11	(.0, .0)	2400.0 1.98E-11
2450.0	2.10E-11	(.0, .0)	2450.0 2.10E-11
2500.0	1.84E-11	(.1, .2)	2500.0 1.84E-11
2550.0	2.02E-11	(.1, 1.4)	2550.0 2.02E-11
2600.0	1.90E-11	(.3, 1.6)	2600.0 1.90E-11
2650.0	2.15E-11	(.3, 3.6)	2650.0 2.15E-11
2700.0	2.12E-11	(.6, 1.8)	2700.0 2.12E-11
2750.0	2.06E-11	(.8, 1.3)	2750.0 2.06E-11
2800.0	2.01E-11	(.8, 1.3)	2800.0 2.01E-11
2850.0	1.96E-11	(.9, 1.6)	2850.0 1.96E-11
2900.0	1.89E-11	(.9, 5.2)	2900.0 1.89E-11
2950.0	2.03E-11	(.2, 2.4)	2950.0 2.03E-11
3000.0	2.00E-11	(.2, 1.1)	3000.0 2.00E-11
3000.0	2.00E-11	(.2, 1.1)	3000.0 2.00E-11
3100.0	2.04E-11	(.2, 1.7)	3100.0 2.04E-11
3200.0	2.07E-11	(.9, 4.1)	3200.0 2.07E-11
3300.0	2.23E-11	(.9, 4.3)	3300.0 2.23E-11
3400.0	2.14E-11	(.9, 5.8)	3400.0 2.14E-11
3500.0	2.00E-11	(.9, 2)	3500.0 2.00E-11
3600.0	1.81E-11	(.9, 4)	3600.0 1.81E-11
3700.0	1.70E-11	(.9, 1.4)	3700.0 1.70E-11
3800.0	1.79E-11	(.9, 1.4)	3800.0 1.79E-11
3900.0	2.04E-11	(.9, 5.2)	3900.0 2.04E-11
4000.0	2.60E-11	(.9, 3.5)	4000.0 2.60E-11
4100.0	3.24E-11	(.8, 3.4)	4100.0 3.24E-11
135.0	0.00(0.0, 0.0)	139.0	0.00(0.0, 0.0)
166.0	0.00(0.0, 0.0)	172.0	0.00(0.0, 0.0)
219.0	5.34(1.0, .0)	245.0	5.66(1.1, .0)
148.0	0.00(0.0, 0.0)	181.0	0.00(0.0, 0.0)
280.0	5.64(1.8, .3)	360.0	5.68(1.9, .3)
154.0	0.00(0.0, 0.0)	192.0	4.69(1.4, .0)
161.0	0.00(0.0, 0.0)	204.0	5.04(1.6, .0)
0.0	0.00(0.0, 0.0)	0.0	0.00(0.0, 0.0)

X,Y(MM) -15.2 -12.7 SL3- 29 26 SCANS, T= 239 HR 5093 WT 1.0, SCALE .92  
 X,Y(MM) -15.2 -12.7 SL3- 30 23 SCANS, T= 82 HR 5093 WT 1.0, SCALE 1.17

R = (0.72)

LAMBDA, F (WT, SIG)				F = AVE FLUX FROM LAM-DEL/2 TO LAM-DEL/2				LAMBDA, F (WT, SIG)											
1320	4.73E-10	5	0.0	1322	4.85E-10	5	0.0	1324	4.82E-10	5	0.0	1326	4.35E-10	5	0.0	1328	4.37E-10	5	0.0
1330	4.23E-10	6	0.0	1332	5.81E-10	9	0.0	1334	3.02E-10	4	0.0	1336	2.35E-10	4	0.0	1338	4.21E-10	4	0.0
1340	4.79E-10	6	0.0	1342	3.55E-10	6	0.0	1344	4.22E-10	6	0.0	1346	4.17E-10	6	0.0	1348	3.38E-10	7	0.0
1350	4.49E-10	7	0.0	1352	4.32E-10	8	0.0	1354	4.56E-10	9	0.0	1356	4.46E-10	9	0.0	1358	3.77E-10	8	0.0
1360	3.72E-10	7	0.0	1362	3.10E-10	6	0.0	1364	3.12E-10	6	0.0	1366	3.34E-10	6	0.0	1368	3.07E-10	6	0.0
1370	2.57E-10	6	0.0	1372	2.67E-10	6	0.0	1374	3.07E-10	7	0.0	1376	2.97E-10	7	0.0	1378	2.83E-10	6	0.0
1380	2.54E-10	6	0.0	1382	2.19E-10	6	0.0	1384	2.56E-10	6	0.0	1386	2.60E-10	6	0.0	1388	2.57E-10	7	0.0
1390	2.91E-10	9	0.0	1392	2.99E-10	9	0.0	1394	2.99E-10	9	0.0	1396	2.84E-10	9	0.0	1398	2.82E-10	9	0.0
1400U	1.61E-10	4	0.0	1402U	2.27E-10	5	0.0	1404	2.04E-10	7	0.0	1406	2.79E-10	9	0.0	1408	2.90E-10	9	0.0
1410	2.93E-10	9	0.0	1412	2.83E-10	9	0.0	1414	2.71E-10	9	0.0	1416	2.48E-10	9	0.0	1418	2.44E-10	9	0.0
1420	2.45E-10	9	0.0	1422	2.81E-10	9	0.0	1424	2.58E-10	9	0.0	1426	2.75E-10	9	0.0	1428	2.39E-10	9	0.0
1430	2.37E-10	9	0.0	1432	2.76E-10	9	0.0	1434	2.97E-10	9	0.0	1436	2.72E-10	9	0.0	1438	2.92E-10	9	0.0
1440	2.23E-10	9	0.0	1442	3.45E-10	9	0.0	1444	3.05E-10	9	0.0	1446	3.29E-10	9	0.0	1448	3.42E-10	9	0.0
1450	2.54E-10	9	0.0	1452	3.12E-10	9	0.0	1454	2.91E-10	9	0.0	1456	3.00E-10	9	0.0	1458	3.12E-10	9	0.0
1460	2.83E-10	9	0.0	1462	2.78E-10	9	0.0	1464	3.13E-10	9	0.0	1466	3.24E-10	9	0.0	1468	3.10E-10	9	0.0
1470	3.02E-10	9	0.0	1472	3.03E-10	9	0.0	1474	3.26E-10	9	0.0	1476	3.24E-10	9	0.0	1478	3.24E-10	9	0.0
1480	3.22E-10	9	0.0	1482	3.22E-10	9	0.0	1484	3.34E-10	9	0.0	1486	3.25E-10	9	0.0	1488	3.63E-10	9	0.0
1490	3.72E-10	9	0.0	1492	3.79E-10	9	0.0	1494	3.81E-10	9	0.0	1496	3.36E-10	9	0.0	1498	3.13E-10	9	0.0
1500	3.00E-10	9	0.0	1502	2.92E-10	9	0.0	1504	3.11E-10	9	0.0	1506	3.28E-10	9	0.0	1508	3.35E-10	9	0.0
1510	3.14E-10	9	0.0	1512	3.10E-10	9	0.0	1514	2.78E-10	9	0.0	1516	2.78E-10	9	0.0	1518	2.85E-10	9	0.0
1520	3.14E-10	9	0.0	1522	3.25E-10	9	0.0	1524	2.93E-10	9	0.0	1526	2.69E-10	9	0.0	1528	2.64E-10	9	0.0
1530	2.94E-10	9	0.0	1532	2.95E-10	9	0.0	1534	2.57E-10	9	0.0	1536							

R - 1 07:



R = 1.86





R = 0.83:



LAMBDA	F	( WT. SIG)	F = AVE FLUX FROM LAM-DEL/2 TO LAM+DEL/2
1550, 0.00E+00	0.00	0.00	1552, 0.00E+00
1560, 1.82E-10	6.00	0.00	1562, 1.94E-10
1570, 1.99E-10	7.00	0.00	1572, 1.97E-10
1580, 1.84E-10	7.00	0.00	1582, 1.77E-10
1590, 1.83E-10	8.00	0.00	1592, 1.83E-10
1600, 1.75E-10	7.00	0.00	1602, 1.69E-10
1610, 1.64E-10	7.00	0.00	1612, 1.65E-10
1620, 1.79E-10	9.00	0.00	1622, 1.84E-10
1630, 1.85E-10	10.00	0.00	1632, 1.78E-10
1640, 1.82E-10	10.00	0.00	1642, 1.97E-10
1650, 1.82E-10	10.00	0.00	1652, 1.88E-10
1660, 1.82E-10	10.00	0.00	1662, 1.87E-10
1670, 2.15E-10	10.00	0.00	1672, 2.13E-10
1680, 2.00E-10	10.00	0.00	1682, 2.03E-10
1690, 1.94E-10	10.00	0.00	1692, 1.90E-10
1700, 1.99E-10	10.00	0.00	1702, 1.99E-10
1710, 1.80E-10	10.00	0.00	1712, 1.72E-10
1720, 1.67E-10	10.00	0.00	1722, 1.69E-10
1730, 1.81E-10	10.00	0.00	1732, 1.85E-10
1740, 1.85E-10	10.00	0.00	1742, 1.79E-10
1750, 1.64E-10	10.00	0.00	1752, 1.64E-10
1760, 1.58E-10	10.00	0.00	1762, 1.57E-10
1770, 1.53E-10	10.00	0.00	1772, 1.54E-10
1780, 1.67E-10	10.00	0.00	1782, 1.67E-10
1790, 1.66E-10	10.00	0.00	1792, 1.69E-10
1800, 1.71E-10	10.00	0.00	1802, 1.70E-10
1810, 1.70E-10	10.00	0.00	1812, 1.69E-10
1820, 1.53E-10	10.00	0.00	1822, 1.55E-10
1800, 1.71E-10	10.00	0.00	1805, 1.69E-10
1825, 1.55E-10	10.00	0.00	1830, 1.50E-10
1850, 1.37E-10	10.00	0.00	1855, 1.31E-10
1875, 1.39E-10	10.00	0.00	1880, 1.40E-10
1900, 1.24E-10	10.00	0.00	1905, 1.23E-10
1925, 1.12E-10	10.00	0.00	1930, 1.10E-10
1950, 1.05E-10	10.00	0.00	1955, 1.04E-10
1975, 1.06E-10	10.00	0.00	1980, 1.00E-10
2000, 9.58E-11	10.00	0.00	2005, 9.54E-11
2025, 9.09E-11	10.00	0.00	2030, 8.90E-11
2050, 8.24E-11	10.00	0.00	2055, 8.12E-11
2075, 7.59E-11	10.00	0.00	2080, 7.59E-11
2100, 7.35E-11	10.00	0.00	2105, 7.21E-11
2125, 6.58E-11	10.00	0.00	2130, 6.62E-11
2150, 6.43E-11	10.00	0.00	2155, 6.22E-11
2175, 6.00E-11	10.00	0.00	2180, 5.99E-11
2200, 6.13E-11	10.00	0.00	2205, 6.07E-11
2225, 5.57E-11	10.00	0.00	2230, 5.56E-11
2250, 5.99E-11	9.00	0.00	2255, 6.04E-11
2275, 6.58E-11	8.00	0.00	2280, 6.74E-11
2300, 6.82E-11	8.00	0.00	2305, 6.84E-11
2320, 6.83E-11	8.00	0.00	2325, 6.88E-11
2350, 7.85E-11	7.00	0.00	2360, 7.95E-11
2400, 8.53E-11	6.00	0.00	2410, 8.42E-11
2450, 9.36E-11	5.00	0.00	2460, 9.21E-11
2500E 1.01E-10	5.00	0.00	2510E 1.00E-10
2550E 1.17E-10	4.00	0.00	2560E 1.12E-10
2600E 1.26E-10	3.00	0.00	2610E 1.29E-10
2650E 1.45E-10	3.00	0.00	2660E 1.39E-10
2700E 1.50E-10	3.00	0.00	2710E 1.51E-10
2750E 1.29E-10	3.00	0.00	2760E 1.34E-10
2800E 1.44E-10	2.00	0.00	2810E 1.39E-10
2850E 1.45E-10	2.00	0.00	2860E 1.46E-10
2900E 1.49E-10	2.00	0.00	2910E 1.51E-10
2950E 1.69E-10	2.00	0.00	2960E 1.63E-10
3000E 1.41E-10	2.00	0.00	3010E 1.44E-10
3000E 1.41E-10	2.00	0.00	3020E 1.49E-10
3100E 1.74E-10	1.00	0.00	3120E 1.83E-10
315, 0.00(0.0 0.0)	139, 0.00(0.0 0.0)	148, 0.00(0.0 0.0)	154, 0.00(0.0 0.0)
166, 3.19(1.0 0.0)	172, 3.27(1.0 0.0)	181, 3.41(1.0 0.0)	192, 3.72(1.0 0.0)
219, 4.41(1.0 0.0)	245, 3.95(1.5 0.0)	280E 3.50(1.2 0.0)	360, 0.00(0.0 0.0)
1558, 1.81E-10	1568, 2.06E-10	1578, 1.90E-10	1588, 1.94E-10
1598, 1.71E-10	1608, 1.58E-10	1618, 1.73E-10	1628, 1.85E-10
1638, 1.67E-10	1648, 1.78E-10	1658, 1.80E-10	1668, 2.13E-10
1678, 1.95E-10	1688, 1.98E-10	1698, 1.96E-10	1708, 1.86E-10
1718, 1.89E-10	1728, 1.76E-10	1738, 1.89E-10	1748, 1.66E-10
1758, 1.58E-10	1768, 1.53E-10	1778, 1.65E-10	1788, 1.65E-10
1798, 1.72E-10	1808, 1.69E-10	1818, 1.55E-10	0.00
1820, 1.54E-10	1845, 1.42E-10	1870, 1.35E-10	1895, 1.22E-10
1920, 1.17E-10	1940, 1.13E-10	1970, 1.06E-10	1995, 9.63E-11
2020, 9.30E-11	2045, 8.45E-11	2070, 7.68E-11	2095, 7.46E-11
2120, 6.59E-11	2145, 6.62E-11	2170, 6.07E-11	2195, 6.04E-11
2220, 5.55E-11	2245, 5.82E-11	2270, 6.47E-11	2295, 6.88E-11
0.00	0.00	0.00	0.00
2340, 7.54E-11	2390, 8.82E-11	2440, 9.46E-11	2490E 1.04E-10
2540E 1.19E-10	2590E 1.28E-10	2640E 1.47E-10	2690E 1.42E-10
2740E 1.32E-10	2790E 1.50E-10	2840E 1.42E-10	2890E 1.48E-10
2940E 1.68E-10	2990E 1.41E-10	0.00	0.00
3080E 1.60E-10	3180E 1.75E-10	0.00	0.00

X,Y(MM) -4.0 -14.0 SL3- 31 22 SCANS, T= 231 HR 5358 WT 1.0,SCALE 1.00

R = 0.83

HR 5375

$$R = 0.95:$$

LAMBDA	F	(WT)	SIG	F - AVE FLUX	FROM LAM-DEL/2	TO LAM-DEL/2
1340.0	0.0	(0.0)	0.0	1342.0	1.91E-09	5 0.0
1350.0	1.85E-09	5 0.0	0.0	1352.0	1.64E-09	4 0.0
1360.0	1.48E-09	4 0.0	0.0	1362.0	1.56E-09	4 0.0
1370.0	1.18E-09	3 0.0	0.0	1372.0	1.46E-09	4 0.0
1380.0	1.45E-09	5 0.0	0.0	1382.0	1.57E-09	5 0.0
1390.0	3.32E-10	4 0.0	0.0	1392.0	8.88E-10	3 0.0
1400.0	1.28E-09	6 0.0	0.0	1402.0	1.34E-09	6 0.0
1410.0	1.22E-09	8 0.0	0.0	1412.0	1.44E-09	6 0.0
1420.0	1.63E-09	1.0	0.0	1422.0	1.63E-09	1.0 0.0
1430.0	1.53E-09	1.0	0.0	1432.0	1.46E-09	1.0 0.0
1440.0	1.63E-09	1.0	0.0	1442.0	1.59E-09	1.0 0.0
1450.0	1.66E-09	1.0	0.0	1452.0	1.65E-09	1.0 0.0
1460.0	1.55E-09	1.0	0.0	1462.0	1.43E-09	1.0 0.0
1470.0	1.34E-09	1.0	0.0	1472.0	1.33E-09	1.0 0.0
1480.0	1.40E-09	1.0	0.0	1482.0	1.41E-09	1.0 0.0
1490.0	1.33E-09	1.0	0.0	1492.0	1.28E-09	1.0 0.0
1500.0	1.05E-09	1.0	0.0	1502.0	1.05E-09	1.0 0.0
1510.0	1.18E-09	1.0	0.0	1512.0	1.13E-09	1.0 0.0
1520.0	1.19E-09	1.0	0.0	1522.0	1.20E-09	1.0 0.0
1530.0	1.01E-09	1.0	0.0	1532.0	9.65E-10	1.0 0.0
1540.0	9.83E-10	1.0	0.0	1542.0	8.89E-10	1.0 0.0
1550.0	9.90E-10	1.0	0.0	1552.0	1.00E-09	1.0 0.0
1560.0	1.00E-09	1.0	0.0	1562.0	9.83E-10	1.0 0.0
1570.0	9.18E-10	1.0	0.0	1572.0	9.98E-10	1.0 0.0
1580.0	1.03E-09	1.0	0.0	1582.0	9.98E-10	1.0 0.0
1590.0	1.02E-09	1.0	0.0	1592.0	1.02E-09	1.0 0.0
1600.0	9.28E-10	1.0	0.0	1602.0	9.71E-10	1.0 0.0
1610.0	9.79E-10	1.0	0.0	1612.0	9.68E-10	1.0 0.0
1620.0	1.09E-09	1.0	0.0	1622.0	1.05E-09	1.0 0.0
1630.0	1.06E-09	1.0	0.0	1632.0	1.03E-09	1.0 0.0
1640.0	1.09E-09	1.0	0.0	1642.0	1.07E-09	1.0 0.0
1650.0	9.18E-10	1.0	0.0	1652.0	1.04E-09	1.0 0.0
1660.0	1.03E-09	1.0	0.0	1662.0	1.06E-09	1.0 0.0
1670.0	1.06E-09	1.0	0.0	1672.0	1.09E-09	1.0 0.0
1680.0	1.14E-09	1.0	0.0	1682.0	1.15E-09	1.0 0.0
1690.0	1.16E-09	1.0	0.0	1692.0	1.09E-09	1.0 0.0
1700.0	1.06E-09	1.0	0.0	1702.0	1.02E-09	1.0 0.0
1710.0	1.02E-09	1.0	0.0	1712.0	1.02E-09	1.0 0.0
1720.0	1.01E-09	1.0	0.0	1722.0	9.71E-10	1.0 0.0
1730.0	9.81E-10	1.0	0.0	1732.0	1.00E-09	1.0 0.0
1740.0	1.01E-09	1.0	0.0	1742.0	1.01E-09	1.0 0.0
1750.0	9.71E-10	1.0	0.0	1752.0	9.55E-10	1.0 0.0
1760.0	9.80E-10	1.0	0.0	1762.0	9.79E-10	1.0 0.0
1770.0	9.39E-10	1.0	0.0	1772.0	9.47E-10	1.0 0.0
1780.0	9.55E-10	9 0.0	0.0	1782.0	9.77E-10	9 0.0
1790.0	9.68E-10	9 0.0	0.0	1792.0	9.83E-10	9 0.0
1800.0	1.00E-09	9 0.0	0.0	1802.0	9.95E-10	9 0.0
1810.0	1.08E-09	9 0.0	0.0	1812.0	1.01E-09	8 0.0
1820.0	1.05E-09	8 0.0	0.0	1822.0	1.07E-09	8 0.0
1830.0	1.01E-09	9 0.0	0.0	1832.0		

X,Y(MM) -15 2 16 5 SL3- 11 21 SCANS T= 222 HR 5378 WT 1.0 SCALE 1.00

P. 0 80

HD 126341

TAU-1 LUP

HD 126341

LAMBDA, F (WT, SIG)	F = AVE FLUX FROM LAM-DEL/2 TO LAM-DEL/2		
1310U 1.11E-09(.3 0.0)	1312U 1.21E-09(.3 0.0)	1314 1.38E-09(.4 0.0)	1316 1.41E-09(.5 0.0)
1320 1.45E-09(.4 0.0)	1322U 1.06E-09(.4 0.0)	1324U 1.09E-09(.4 0.0)	1326 1.27E-09(.4 0.0)
1330 1.20E-09(.4 0.0)	1332 1.10E-09(.4 0.0)	1334U 9.59E-10(.4 0.0)	1336 1.04E-09(.4 0.0)
1340 1.03E-09(.4 0.0)	1342U 9.45E-10(.4 0.0)	1344 1.11E-09(.5 0.0)	1346 1.06E-09(.5 0.0)
1350 1.13E-09(.7 0.0)	1352 1.31E-09(.7 0.0)	1354 1.15E-09(.7 0.0)	1356 1.10E-09(.7 0.0)
1360 1.35E-09(.9 0.0)	1362 1.34E-09(.9 0.0)	1364 9.48E-10(.9 0.0)	1366 1.36E-09(.9 0.0)
1370 1.39E-09(.9 0.0)	1372 1.56E-09(.9 0.0)	1374 1.38E-09(.9 0.0)	1376 1.26E-09(.9 0.0)
1380 1.16E-09(.9 0.0)	1382 1.11E-09(.9 0.0)	1384 1.11E-09(.9 0.0)	1386 1.15E-09(.9 0.0)
1390 9.59E-10(.9 0.0)	1392 8.47E-10(.8 0.0)	1394 8.54E-10(.9 0.0)	1396 8.40E-10(.9 0.0)
1400 9.52E-10(.9 0.0)	1402 9.24E-10(.9 0.0)	1404 9.66E-10(.9 0.0)	1406 1.01E-09(.9 0.0)
1410 1.07E-09(.9 0.0)	1412 1.04E-09(.9 0.0)	1414 1.00E-09(.9 0.0)	1416 1.05E-09(.9 0.0)
1420 1.01E-09(.9 0.0)	1422 1.04E-09(.9 0.0)	1424 1.08E-09(.9 0.0)	1426 9.87E-10(.9 0.0)
1430 1.07E-09(.9 0.0)	1432 1.04E-09(.9 0.0)	1434 9.94E-10(.9 0.0)	1436 1.02E-09(.9 0.0)
1440 1.15E-09(.9 0.0)	1442 1.10E-09(.9 0.0)	1444 1.04E-09(.9 0.0)	1446 1.01E-09(.9 0.0)
1450 1.04E-09(.9 0.0)	1452 1.01E-09(.9 0.0)	1454 1.01E-09(.9 0.0)	1456 1.00E-09(.9 0.0)
1460 9.52E-10(.9 0.0)	1462 9.10E-10(.9 0.0)	1464 9.45E-10(.9 0.0)	1466 9.66E-10(.9 0.0)
1470 9.66E-10(.9 0.0)	1472 9.59E-10(.9 0.0)	1474 9.72E-10(.9 0.0)	1476 9.87E-10(.9 0.0)
1480 1.01E-09(.9 0.0)	1482 9.63E-10(.9 0.0)	1484 9.85E-10(.9 0.0)	1486 1.04E-09(.9 0.0)
1490 1.03E-09(.9 0.0)	1492 9.59E-10(.9 0.0)	1494 9.80E-10(.9 0.0)	1496 9.27E-10(.9 0.0)
1500 8.95E-10(.9 0.0)	1502 9.05E-10(.9 0.0)	1504 8.67E-10(.9 0.0)	1506 9.32E-10(.9 0.0)
1510 8.95E-10(.9 0.0)	1512 8.91E-10(.9 0.0)	1514 8.69E-10(.9 0.0)	1516 8.13E-10(.9 0.0)
1520 7.99E-10(.9 0.0)	1522 8.18E-10(.9 0.0)	1524 8.29E-10(.9 0.0)	1526 8.37E-10(.9 0.0)
1530 7.65E-10(.9 0.0)	1532 8.00E-10(.9 0.0)	1534 7.69E-10(.9 0.0)	1536 7.46E-10(.9 0.0)
1540 7.77E-10(.9 0.0)	1542 7.56E-10(.9 0.0)	1544 7.43E-10(.9 0.0)	1546 7.35E-10(.9 0.0)
1550 6.84E-10(.9 0.0)	1552 7.24E-10(.9 0.0)	1554 7.33E-10(.9 0.0)	1556 7.07E-10(.9 0.0)
1560 7.57E-10(.9 0.0)	1562 7.78E-10(.9 0.0)	1564 7.69E-10(.9 0.0)	1566 7.67E-10(.9 0.0)
1570 7.67E-10(.9 0.0)	1572 7.54E-10(.9 0.0)	1574 7.67E-10(.9 0.0)	1576 7.88E-10(.9 0.0)
1580 8.09E-10(.9 0.0)	1582 8.01E-10(.9 0.0)	1584 8.21E-10(.9 0.0)	1586 8.37E-10(.9 0.0)
1590 8.28E-10(.9 0.0)	1592 8.70E-10(.9 0.0)	1594 8.70E-10(.9 0.0)	1596 8.34E-10(.9 0.0)
1600 8.22E-10(.9 0.0)	1602 8.25E-10(.9 0.0)	1604 7.93E-10(.9 0.0)	1606 7.44E-10(.9 0.0)
1610 7.56E-10(.9 0.0)	1612 7.75E-10(.9 0.0)	1614 7.81E-10(.9 0.0)	1616 7.87E-10(.9 0.0)
1620 7.91E-10(.9 0.0)	1622 7.95E-10(.9 0.0)	1624 8.17E-10(.9 0.0)	1626 8.40E-10(.9 0.0)
1630 8.05E-10(.9 0.0)	1632 7.95E-10(.9 0.0)	1634 7.77E-10(.9 0.0)	1636 7.88E-10(.9 0.0)
1640 8.06E-10(.9 0.0)	1642 8.46E-10(.9 0.0)	1644 8.57E-10(.9 0.0)	1646 8.91E-10(.9 0.0)
1650 8.82E-10(.9 0.0)	1652 8.95E-10(.9 0.0)	1654 8.91E-10(.9 0.0)	1656 8.91E-10(.9 0.0)
1660 9.14E-10(.9 0.0)	1662 8.96E-10(.9 0.0)	1664 8.91E-10(.9 0.0)	1666 8.91E-10(.9 0.0)
1670 8.83E-10(.9 0.0)	1672 8.66E-10(.9 0.0)	1674 8.68E-10(.9 0.0)	1676 8.72E-10(.9 0.0)
1680 8.60E-10(.9 0.0)	1682 8.80E-10(.9 0.0)	1684 9.26E-10(.9 0.0)	1686 9.43E-10(.9 0.0)
1690 9.21E-10(.9 0.0)	1692 9.14E-10(.9 0.0)	1694 9.15E-10(.9 0.0)	1696 9.13E-10(.9 0.0)
1700 8.62E-10(.9 0.0)	1702 8.70E-10(.9 0.0)	1704 8.64E-10(.9 0.0)	1706 8.44E-10(.9 0.0)
1710 8.59E-10(.9 0.0)	1712 8.45E-10(.9 0.0)	1714 8.18E-10(.9 0.0)	1716 7.85E-10(.9 0.0)
1720 7.90E-10(.9 0.0)	1722 7.90E-10(.9 0.0)	1724 7.88E-10(.9 0.0)	1726 7.88E-10(.9 0.0)
1730 7.49E-10(.9 0.0)	1732 7.44E-10(.9 0.0)	1734 7.61E-10(.9 0.0)	1736 7.75E-10(.9 0.0)
1740 7.98E-10(.9 0.0)	1742 7.75E-10(.9 0.0)	1744 7.52E-10(.9 0.0)	1746 7.40E-10(.9 0.0)
1750 7.42E-10(.9 0.0)	1752 7.42E-10(.9 0.0)	1754 7.28E-10(.9 0.0)	1756 7.12E-10(.9 0.0)
1760 7.54E-10(.8 0.0)	1762 7.78E-10(.8 0.0)	1764 7.65E-10(.8 0.0)	1766 7.63E-10(.8 0.0)
1770 7.62E-10(.8 0.0)	1772 7.53E-10(.8 0.0)	1774 7.53E-10(.8 0.0)	1776 7.37E-10(.8 0.0)
1780 7.31E-10(.8 0.0)	1782 7.28E-10(.8 0.0)	1784 7.39E-10(.8 0.0)	1786 7.40E-10(.8 0.0)
1790 7.32E-10(.8 0.0)	1792 7.34E-10(.8 0.0)	1794 7.24E-10(.8 0.0)	1796 6.98E-10(.8 0.0)
1800 6.94E-10(.8 0.0)	1802 7.02E-10(.8 0.0)	1804 7.01E-10(.8 0.0)	1806 6.94E-10(.7 0.0)
1810 7.07E-10(.7 0.0)	1812 7.01E-10(.7 0.0)	1814 6.95E-10(.7 0.0)	1816 6.91E-10(.7 0.0)
1820 6.99E-10(.7 0.0)	1822 6.97E-10(.7 0.0)	1824 7.10E-10(.7 0.0)	1826 7.11E-10(.7 0.0)
1800 6.80E-10(.8 0.0)	1805 7.03E-10(.8 0.0)	1810 7.05E-10(.7 0.0)	1815 6.87E-10(.7 0.0)
1825 7.06E-10(.7 0.0)	1830 7.23E-10(.7 0.0)	1835 7.30E-10(.7 0.0)	1840 7.11E-10(.7 0.0)
1850 7.39E-10(.7 0.0)	1855 6.65E-10(.7 0.0)	1860 6.51E-10(.7 0.0)	1865 6.51E-10(.7 0.0)
1875 6.92E-10(.6 0.0)	1880 6.87E-10(.6 0.0)	1885 6.70E-10(.7 0.0)	1890 6.36E-10(.7 0.0)
1900 5.62E-10(.7 0.0)	1905 5.84E-10(.7 0.0)	1910 6.03E-10(.7 0.0)	1915 5.77E-10(.7 0.0)
1925 5.22E-10(.7 0.0)	1930 5.10E-10(.7 0.0)	1935 5.10E-10(.7 0.0)	1940 4.98E-10(.7 0.0)
1950 5.06E-10(.7 0.0)	1955 4.87E-10(.7 0.0)	1960 5.12E-10(.7 0.0)	1965 4.99E-10(.6 0.0)
1975 4.97E-10(.6 0.0)	1980 5.23E-10(.6 0.0)	1985 5.43E-10(.6 0.0)	1990 5.02E-10(.6 0.0)
2000 4.73E-10(.6 0.0)	2005 4.74E-10(.6 0.0)	2010 4.65E-10(.6 0.0)	2015 4.68E-10(.6 0.0)
2025 4.84E-10(.5 0.0)	2030 4.58E-10(.5 0.0)	2035 4.38E-10(.5 0.0)	2040 4.41E-10(.5 0.0)
2050 4.64E-10(.5 0.0)	2055 4.50E-10(.5 0.0)	2060 4.65E-10(.5 0.0)	2065 4.74E-10(.5 0.0)
2075 4.88E-10(.4 0.0)	2080 4.77E-10(.4 0.0)	2085 4.46E-10(.4 0.0)	2090 4.55E-10(.4 0.0)
2100 4.41E-10(.4 0.0)	2105 3.70E-10(.4 0.0)	2110 3.75E-10(.4 0.0)	2115 4.05E-10(.4 0.0)
2125E 4.22E-10(.4 0.0)	2130E 4.38E-10(.4 0.0)	2135E 4.40E-10(.4 0.0)	2140E 4.39E-10(.4 0.0)
2150E 4.28E-10(.4 0.0)	2155E 4.29E-10(.4 0.0)	2160E 4.14E-10(.4 0.0)	2165E 3.94E-10(.4 0.0)
2175E 4.02E-10(.4 0.0)	2180E 4.09E-10(.4 0.0)	2185E 4.04E-10(.4 0.0)	2190E 3.91E-10(.4 0.0)
2200E 4.01E-10(.3 0.0)	2205E 4.18E-10(.3 0.0)	2210E 4.38E-10(.3 0.0)	2215E 4.47E-10(.3 0.0)
2225E 4.16E-10(.3 0.0)	2230E 4.07E-10(.3 0.0)	2235E 4.10E-10(.3 0.0)	2240E 4.26E-10(.3 0.0)
2250E 4.48E-10(.3 0.0)	2255E 4.30E-10(.3 0.0)	2260E 4.03E-10(.3 0.0)	2265E 3.89E-10(.3 0.0)
2275E 4.28E-10(.3 0.0)	2280E 4.46E-10(.3 0.0)	2285E 4.42E-10(.3 0.0)	2290E 4.21E-10(.3 0.0)
2300E 3.99E-10(.3 0.0)	2305E 3.93E-10(.3 0.0)	2310E 3.79E-10(.3 0.0)	2315E 3.64E-10(.3 0.0)
2300E 3.99E-10(.3 0.0)	2310E 3.79E-10(.3 0.0)	2320E 3.60E-10(.3 0.0)	2330E 3.67E-10(.3 0.0)
2350E 3.72E-10(.3 0.0)	2360E 3.82E-10(.2 0.0)	2370E 3.91E-10(.2 0.0)	2380E 3.99E-10(.2 0.0)
2400E 4.07E-10(.2 0.0)	2410E 3.98E-10(.2 0.0)	2420E 3.86E-10(.2 0.0)	2430E 3.97E-10(.2 0.0)
2450E 4.74E-10(.2 0.0)	2460E 4.92E-10(.2 0.0)	2470E 4.93E-10(.2 0.0)	2480E 4.67E-10(.2 0.0)
2500E 4.09E-10(.2 0.0)	2510E 3.75E-10(.2 0.0)	2520E 3.65E-10(.2 0.0)	2530E 3.66E-10(.2 0.0)
2550E 3.66E-10(.2 0.0)	2560E 3.85E-10(.2 0.0)	2570E 3.78E-10(.2 0.0)	2580E 3.85E-10(.2 0.0)
2600E 4.69E-10(.1 0.0)	2610E 4.40E-10(.1 0.0)	2620E 4.00E-10(.2 0.0)	2630E 3.86E-10(.2 0.0)
135 1.16(.7 0.0)	139 1.44(.9 0.0)	148 1.41(.9 0.0)	154 1.70(.9 0.0)
166 1.54(.9 0.0)	172 1.65(.9 0.0)	181 1.76(.8 0.0)	192 2.03(.7 0.0)
219E 2.35(.3 0.0)	242E 2.39(.2 0.0)	280 0.00(0.0 0.0)	360E 2.44(.1 0.0)

X,Y(MM) -16.3 -2 SL3- 10 19 SCANS, T= 218 TAU-1 LUP WT .9,SCALE 1.00

R = 1.51:

LAMBDA, F (WT, SIG)				F = AVE FLUX FROM LAM-DEL/2 TO LAM-DEL/2				LAMBDA, F (WT, SIG)				F = AVE FLUX FROM LAM-DEL/2 TO LAM-DEL/2				LAMBDA, F (WT, SIG)				F = AVE FLUX FROM LAM-DEL/2 TO LAM-DEL/2			
17300	5.96E-11	(.3)	(.0)	17320	6.49E-11	(.3)	(.0)	17340	6.59E-11	(.3)	(.0)	17360	7.55E-11	(.3)	(.0)	17380	6.54E-11	(.3)	(.0)	17400	5.96E-11	(.3)	(.0)
17400	6.09E-11	(.3)	(.0)	17420	5.83E-11	(.2)	(.0)	17440	5.38E-11	(.2)	(.0)	17460	5.41E-11	(.2)	(.0)	17480	5.98E-11	(.2)	(.0)	17500	6.25E-11	(.3)	(.0)
17500	6.25E-11	(.3)	(.0)	17520	5.93E-11	(.3)	(.0)	17540	5.72E-11	(.3)	(.0)	17560	5.88E-11	(.3)	(.0)	17580	6.37E-11	(.4)	(.0)	17600	6.45E-11	(.4)	(.0)
17600	6.45E-11	(.4)	(.0)	17620	6.15E-11	(.4)	(.0)	17640	6.37E-11	(.4)	(.0)	1766	6.75E-11	(.4)	(.0)	17680	6.40E-11	(.4)	(.0)	17700	5.59E-11	(.3)	(.0)
17700	5.59E-11	(.3)	(.0)	17720	5.38E-11	(.3)	(.0)	17740	5.65E-11	(.3)	(.0)	17760	5.93E-11	(.4)	(.0)	17780	6.23E-11	(.5)	(.0)	17800	6.81E-11	(.6)	(.0)
17800	6.81E-11	(.6)	(.0)	17820	7.50E-11	(.6)	(.0)	17840	7.85E-11	(.7)	(.0)	1786	7.70E-11	(.7)	(.0)	17880	7.28E-11	(.7)	(.0)	17900	7.24E-11	(.7)	(.0)
17900	7.24E-11	(.7)	(.0)	17920	7.57E-11	(.7)	(.0)	1794	7.83E-11	(.7)	(.0)	1796	7.79E-11	(.7)	(.0)	1798	7.57E-11	(.7)	(.0)	18000	7.44E-11	(.8)	(.0)
18000	7.44E-11	(.8)	(.0)	18020	7.63E-11	(.8)	(.0)	1804	7.75E-11	(.8)	(.0)	1806	7.55E-11	(.8)	(.0)	1808	7.10E-11	(.7)	(.0)	18100	6.59E-11	(.7)	(.0)
18100	6.59E-11	(.7)	(.0)	18120	6.81E-11	(.7)	(.0)	1814	6.88E-11	(.7)	(.0)	1816	6.58E-11	(.7)	(.0)	1818	6.46E-11	(.7)	(.0)	18200	6.61E-11	(.7)	(.0)
18200	6.61E-11	(.7)	(.0)	18220	6.32E-11	(.7)	(.0)	1824	6.22E-11	(.7)	(.0)	1826	6.29E-11	(.7)	(.0)	0	0	(.0)	(.0)	0	0	(.0)	(.0)
1800	7.55E-11	(.8)	(.0)	1805	7.63E-11	(.8)	(.0)	1810	6.74E-11	(.7)	(.0)	1815	6.53E-11	(.7)	(.0)	1820	6.54E-11	(.7)	(.0)	1825	6.28E-11	(.7)	(.0)
1825	6.28E-11	(.7)	(.0)	1830	6.14E-11	(.7)	(.0)	1835	5.62E-11	(.7)	(.0)	1840	5.95E-11	(.7)	(.0)	1845	6.23E-11	(.7)	(.0)	1850	6.07E-11	(.7)	(.0)
1850	6.07E-11	(.7)	(.0)	1855	5.91E-11	(.7)	(.0)	1860	5.67E-11	(.7)	(.0)	1865	4.95E-11	(.6)	(.0)	1870	4.91E-11	(.6)	(.0)	1875	5.30E-11	(.7)	(.0)
1875	5.30E-11	(.7)	(.0)	1880	5.39E-11	(.7)	(.0)	1885	5.33E-11	(.7)	(.0)	1890	5.36E-11	(.7)	(.0)	1895	4.86E-11	(.7)	(.0)	1900	4.90E-11	(.7)	(.0)
1900	4.90E-11	(.7)	(.0)	1905	5.15E-11	(.7)	(.0)	1910	4.92E-11	(.7)	(.0)	1915	4.64E-11	(.8)	(.0)	1920	4.89E-11	(.8)	(.0)	1925	4.90E-11	(.7)	(.0)
1925	4.90E-11	(.7)	(.0)	1930	5.15E-11	(.7)	(.0)	1935	5.15E-11	(.7)	(.0)	1940	5.36E-11	(.9)	(.0)	1945	5.28E-11	(.9)	(.0)	1950	4.78E-11	(.9)	(.0)
1950	4.78E-11	(.9)	(.0)	1955	4.76E-11	(.9)	(.0)	1960	5.06E-11	(.10)	(.0)	1965	5.38E-11	(.10)	(.0)	1970	5.28E-11	(.10)	(.0)	1975	5.14E-11	(.10)	(.0)
1975	5.14E-11	(.10)	(.0)	1980	5.50E-11	(.10)	(.0)	1985	5.81E-11	(.10)	(.0)	1990	5.56E-11	(.10)	(.								

X, Y (MM)	-11.4	8.3	SL3- 32	23 SCANS, T= 235	HD 126759	WT 1.0, SCALE 1.03
X, Y (MM)	-11.4	8.3	SL3- 33	16 SCANS, T= 30	HD 126759	WT 1.0, SCALE .96

$$R = 0.55.$$



$$R = (0$$

LAMBDA, F	( WT, SIG)	F = AVE FLUX	FROM LAM-DEL/2 TO LAM+DEL/2
1310, 1.28E-09(.9 0.0)	1312, 1.29E-09(.9 0.0)	1314, 1.14E-09(.9 0.0)	1316, 1.22E-09(.9 0.0)
1320, 1.41E-09(.9 0.0)	1322, 1.20E-09(.9 0.0)	1324, 1.11E-09(.9 0.0)	1326, 1.11E-09(.9 0.0)
1330, 1.27E-09(.9 0.0)	1332, 1.25E-09(.9 0.0)	1334, 1.09E-09(.9 0.0)	1336, 1.07E-09(.9 0.0)
1340, 1.31E-09(.9 0.0)	1342, 1.18E-09(.9 0.0)	1344, 1.07E-09(.9 0.0)	1346, 1.19E-09(.9 0.0)
1350, 1.37E-09(.9 3.4)	1352, 1.16E-09(.9 1.4)	1354, 1.11E-09(.9 1.0)	1356, 1.30E-09(.10 23.6)
1360, 1.34E-09(.9 2.8)	1362, 1.25E-09(.9 5.4)	1364, 1.17E-09(.9 8.5)	1366, 1.30E-09(.9 3.4)
1370, 1.33E-09(.10 2.3)	1372, 1.31E-09(.10 2.9)	1374, 1.36E-09(.11 6.6)	1376, 1.41E-09(.11 17.0)
1380, 1.31E-09(.12 7.3)	1382, 1.25E-09(.12 5.7)	1384, 1.28E-09(.12 13.9)	1386, 1.20E-09(.11 1.5)
1390, 1.04E-09(.10 7.7)	1392, 8.92E-10(.10 6.6)	1394, 5.89E-10(.10 26.3)	1396, 7.51E-10(.11 12.6)
1400, 1.17E-09(.13 18.3)	1402, 9.65E-10(.13 14.1)	1404, 8.89E-10(.13 17.1)	1406, 1.08E-09(.13 13.5)
1410, 1.27E-09(.14 12.9)	1412, 1.25E-09(.14 5.2)	1414, 1.23E-09(.14 4.5)	1416, 1.19E-09(.14 5.4)
1420, 1.06E-09(.13 12.3)	1422, 1.18E-09(.12 4.8)	1424, 1.03E-09(.13 18.7)	1426, 1.08E-09(.13 8.2)
1430, 1.09E-09(.14 6.7)	1432, 1.12E-09(.14 4.1)	1434, 1.17E-09(.15 2.7)	1436, 1.24E-09(.17 3.4)
1440, 1.32E-09(.17 9.2)	1442, 1.38E-09(.17 7.2)	1444, 1.40E-09(.17 8.4)	1446, 1.37E-09(.17 7.9)
1450, 1.39E-09(.17 1.9)	1452, 1.31E-09(.17 6.6)	1454, 1.31E-09(.17 3.6)	1456, 1.32E-09(.17 2.2)
1460, 1.26E-09(.17 1.0)	1462, 1.25E-09(.17 3.0)	1464, 1.22E-09(.17 10.3)	1466, 1.21E-09(.17 6.6)
1470, 1.22E-09(.17 1.6)	1472, 1.26E-09(.17 1.2)	1474, 1.31E-09(.17 3.8)	1476, 1.26E-09(.17 1.3)
1480, 1.21E-09(.17 4.0)	1482, 1.20E-09(.17 2.9)	1484, 1.37E-09(.18 8.2)	1486, 1.34E-09(.18 4.5)
1490, 1.28E-09(.16 6.8)	1492, 1.28E-09(.16 1.7)	1494, 1.22E-09(.16 1.2)	1496, 1.14E-09(.16 8.5)
1500, 1.15E-09(.16 5.9)	1502, 1.08E-09(.16 7.0)	1504, 1.11E-09(.16 1.5)	1506, 1.20E-09(.16 3.6)
1510, 1.27E-09(.16 2.8)	1512, 1.20E-09(.16 1.7)	1514, 1.08E-09(.16 1.1)	1516, 1.12E-09(.16 2.8)
1520, 1.11E-09(.16 1.2)	1522, 1.12E-09(.16 3.8)	1524, 1.13E-09(.16 6.9)	1526, 1.25E-09(.16 6.6)
1530, 1.08E-09(.16 1.1)	1532, 1.01E-09(.16 1.9)	1534, 9.68E-10(.16 3.3)	1536, 9.89E-10(.16 4.4)
1540, 9.48E-10(.16 1.4)	1542, 1.01E-09(.16 4.5)	1544, 9.87E-10(.16 8.8)	1546, 9.66E-10(.16 1.9)
1550, 8.97E-10(.16 5.5)	1552, 8.74E-10(.16 3.1)	1554, 9.20E-10(.16 2.5)	1556, 9.54E-10(.16 1.9)
1560, 1.01E-09(.16 4.6)	1562, 9.18E-10(.16 1.5)	1564, 9.77E-10(.16 8.2)	1566, 9.54E-10(.16 5.3)
1570, 1.01E-09(.16 8.8)	1572, 1.00E-09(.16 4.8)	1574, 1.01E-09(.16 8.9)	1576, 1.01E-09(.16 8.0)
1580, 1.07E-09(.14 1.1)	1582, 1.14E-09(.14 4.9)	1584, 1.14E-09(.14 2.9)	1586, 1.09E-09(.14 7.2)
1590, 1.18E-09(.14 8.4)	1592, 1.17E-09(.14 12.6)	1594, 1.15E-09(.14 14.8)	1596, 1.05E-09(.14 8.0)
1600, 1.06E-09(.14 3.8)	1602, 1.07E-09(.14 7.2)	1604, 1.09E-09(.14 4.2)	1606, 1.10E-09(.14 2.6)
1610, 1.04E-09(.14 6.3)	1612, 1.01E-09(.14 5.7)	1614, 9.76E-10(.14 3.5)	1616, 9.92E-10(.14 2.2)
1620, 1.09E-09(.14 5.4)	1622, 1.09E-09(.14 8.7)	1624, 1.06E-09(.14 8.4)	1626, 1.13E-09(.14 4.6)
1630, 1.22E-09(.13 1.2)	1632, 1.22E-09(.13 3.4)	1634, 1.13E-09(.13 4.4)	1636, 1.16E-09(.13 5.4)
1640, 1.10E-09(.13 1.6)	1642, 1.23E-09(.13 3.3)	1644, 1.18E-09(.13 4.2)	1646, 1.18E-09(.13 2.1)
1650, 1.22E-09(.13 13.8)	1652, 1.20E-09(.13 11.7)	1654, 1.22E-09(.13 8.8)	1656, 1.30E-09(.13 12.0)
1660, 1.21E-09(.13 8.8)	1662, 1.24E-09(.13 2.6)	1664, 1.29E-09(.13 4.2)	1666, 1.31E-09(.13 6.5)
1670, 1.20E-09(.13 10.2)	1672, 1.25E-09(.13 11.2)	1674, 1.24E-09(.13 10.8)	1676, 1.24E-09(.13 8.3)
1680, 1.24E-09(.13 2.7)	1682, 1.28E-09(.13 2.4)	1684, 1.24E-09(.13 3.0)	1686, 1.20E-09(.13 3.9)
1690, 1.28E-09(.12 2.4)	1692, 1.29E-09(.12 2.9)	1694, 1.28E-09(.12 1.8)	1696, 1.24E-09(.12 4.4)
1700, 1.15E-09(.13 1.1)	1702, 1.14E-09(.13 1.5)	1704, 1.16E-09(.12 4.4)	1706, 1.20E-09(.12 2.7)
1710, 1.20E-09(.12 4.4)	1712, 1.16E-09(.12 5.5)	1714, 1.16E-09(.12 3.2)	1716, 1.20E-09(.12 2.4)
1720, 1.17E-09(.12 1.4)	1722, 1.18E-09(.12 3.2)	1724, 1.16E-09(.12 4.3)	1726, 1.11E-09(.12 3.3)
1730, 1.08E-09(.12 3.3)	1732, 1.12E-09(.12 5.3)	1734, 1.17E-09(.12 8.5)	1736, 1.19E-09(.12 9.5)
1740, 1.15E-09(.12 4.3)	1742, 1.18E-09(.12 3.9)	1744, 1.19E-09(.12 2.2)	1746, 1.17E-09(.12 1.3)
1750, 1.14E-09(.12 1.5)	1752, 1.14E-09(.12 2.2)	1754, 1.12E-09(.12 1.1)	1756, 1.12E-09(.11 6.6)
1760, 1.17E-09(.11 1.7)	1762, 1.18E-09(.11 2.3)	1764, 1.15E-09(.11 1.5)	1766, 1.13E-09(.11 0.0)
1770, 1.14E-09(.11 1.0)	1772, 1.13E-09(.11 1.2)	1774, 1.11E-09(.11 3.5)	1776, 1.08E-09(.11 3.8)
1780, 1.07E-09(.11 3.1)	1782, 1.07E-09(.11 4.0)	1784, 1.05E-09(.11 4.6)	1786, 1.04E-09(.11 3.8)
1790, 1.05E-09(.11 2.3)	1792, 1.06E-09(.11 0.9)	1794, 1.07E-09(.10 2.6)	1796, 1.06E-09(.10 6.6)
1800, 1.05E-09(.10 2.5)	1802, 1.08E-09(.10 3.1)	1804, 1.12E-09(.10 5.9)	1806, 1.15E-09(.10 5.2)
1810, 1.15E-09(.10 5.9)	1812, 1.11E-09(.10 7.5)	1814, 1.07E-09(.10 8.3)	1816, 1.07E-09(.9 8.8)
1820, 1.19E-09(.9 12.2)	1822, 1.23E-09(.9 12.8)	1824, 1.22E-09(.9 12.1)	1826, 1.18E-09(.9 10.0)
1800, 1.02E-09(.10 3.7)	1805, 1.13E-09(.10 4.9)	1810, 1.15E-09(.10 6.0)	1815, 1.08E-09(.9 8.5)
1825, 1.20E-09(.9 11.6)	1830, 1.10E-09(.9 6.3)	1835, 1.07E-09(.9 9.6)	1840, 9.92E-10(.9 5.4)
1850, 1.15E-09(.9 14.6)	1855, 1.04E-09(.9 12.1)	1860, 9.89E-10(.9 10.8)	1865, 1.05E-09(.9 9.8)
1875, 1.08E-09(.8 8.4)	1880, 9.81E-10(.8 2.1)	1885, 1.04E-09(.8 5.4)	1890, 1.01E-09(.9 11.9)
1900, 8.43E-10(.9 10.7)	1905, 8.73E-10(.9 17.2)	1910, 8.53E-10(.9 8.5)	1915, 8.54E-10(.9 5.6)
1925, 8.31E-10(.9 12.2)	1930, 8.17E-10(.9 15.7)	1935, 8.23E-10(.9 15.2)	1940, 7.69E-10(.9 10.9)
1950, 8.47E-10(.9 16.2)	1955, 8.62E-10(.8 17.4)	1960, 7.99E-10(.8 15.8)	1965, 7.69E-10(.8 11.4)
1975E 8.84E-10(.8 13.7)	1980E 9.27E-10(.7 14.9)	1985E 9.84E-10(.7 13.8)	1990E 1.02E-09(.7 11.6)
2000E 8.90E-10(.7 12.7)	2005E 8.85E-10(.7 14.0)	2010E 8.72E-10(.7 14.6)	2015E 8.85E-10(.7 17.4)
2025E 8.86E-10(.7 23.2)	2030E 8.32E-10(.7 22.8)	2035E 8.00E-10(.7 16.4)	2040E 8.44E-10(.6 13.2)
2050E 8.35E-10(.6 7.8)	2055E 9.16E-10(.6 10.0)	2060E 1.07E-09(.5 19.1)	2065E 9.62E-10(.5 14.6)
2075E 9.30E-10(.5 9.8)	2080E 8.35E-10(.5 8.5)	2085E 8.52E-10(.5 9.8)	2090E 9.04E-10(.5 11.9)
2100E 8.79E-10(.5 17.0)	2105E 8.29E-10(.5 14.0)	0, 0, (0.0 0.0)	0, 0, (0.0 0.0)
135, 1.14(.9 7.4)	139, 1.43(1.2 4.7)	148, 1.15(1.7 2.2)	154, 1.38(1.6 6.6)
166, 1.17(1.3 10.1)	172, 1.24(1.2 2.5)	181, 1.30(1.0 6.8)	192, 1.54(.9 11.2)
0, 0.00(0.0 0.0)	0, 0.00(0.0 0.0)	0, 0.00(0.0 0.0)	0, 0.00(0.0 0.0)

X,Y(MM) 6.9 -4.7 SL3- 32 17 SCANS, T= 235 SIG LUP WT .9,SCALE .83  
X,Y(MM) 6.9 -4.7 SL3- 33 13 SCANS, T= 30 SIG LUP WT .9,SCALE 1.15

R = 1.05:

A999.0 F (O.WT. SIG)				F = AVE FLUX FROM LAM-DEL/2 TO LAM-DEL/2				A999.0 F (O.WT. SIG)			
1499.0	0.00E+00	(.0)	(.0)	1492.0	0.00E+00	(.0)	(.0)	1499.0	0.00E+00	(.0)	(.0)
1500.0	2.00E-10	(.3)	(.0)	1502.0	1.86E-10	(.3)	(.0)	1500.0	1.86E-10	(.3)	(.0)
1510.0	1.80E-10	(.3)	(.0)	1512.0	1.84E-10	(.3)	(.0)	1510.0	1.92E-10	(.4)	(.0)
1520.0	1.97E-10	(.4)	(.0)	1522.0	2.08E-10	(.4)	(.0)	1520.0	1.68E-10	(.3)	(.0)
1530.0	1.60E-10	(.3)	(.0)	1532.0	1.54E-10	(.3)	(.0)	1530.0	1.63E-10	(.3)	(.0)
1540.0	1.83E-10	(.3)	(.0)	1542.0	1.71E-10	(.3)	(.0)	1540.0	1.51E-10	(.3)	(.0)
1550.0	1.47E-10	(.3)	(.0)	1552.0	1.50E-10	(.3)	(.0)	1550.0	1.61E-10	(.4)	(.0)
1560.0	1.37E-10	(.3)	(.0)	1562.0	1.38E-10	(.3)	(.0)	1560.0	1.56E-10	(.3)	(.0)
1570.0	1.37E-10	(.3)	(.0)	1572.0	1.46E-10	(.4)	(.0)	1570.0	1.58E-10	(.4)	(.0)
1580.0	1.50E-10	(.5)	(.0)	1582.0	1.56E-10	(.5)	(.0)	1580.0	1.29E-10	(.4)	(.0)
1590.0	1.25E-10	(.4)	(.0)	1592.0	1.34E-10	(.4)	(.0)	1590.0	1.27E-10	(.4)	(.0)
1600.0	1.29E-10	(.4)	(.0)	1602.0	1.35E-10	(.4)	(.0)	1600.0	1.21E-10	(.4)	(.0)
1610.0	1.28E-10	(.4)	(.0)	1612.0	1.15E-10	(.4)	(.0)	1610.0	1.27E-10	(.5)	(.0)
1620.0	1.42E-10	(.5)	(.0)	1622.0	1.35E-10	(.5)	(.0)	1620.0	1.10E-10	(.4)	(.0)
1630.0	1.42E-10	(.5)	(.0)	1632.0	1.19E-10	(.5)	(.0)	1630.0	1.63E-10	(.5)	(.0)
1640.0	1.29E-10	(.5)	(.0)	1642.0	1.22E-10	(.5)	(.0)	1640.0	1.48E-10	(.4)	(.0)
1650.0	1.19E-10	(.4)	(.0)	1652.0	1.13E-10	(.4)	(.0)	1650.0	1.15E-10	(.4)	(.0)
1660.0	1.15E-10	(.5)	(.0)	1662.0	1.35E-10	(.6)	(.0)	1660.0	1.42E-10	(.7)	(.0)
1670.0	1.45E-10	(.7)	(.0)	1672.0	1.45E-10	(.7)	(.0)	1670.0	1.44E-10	(.8)	(.0)
1680.0	1.42E-10	(.8)	(.0)	1682.0	1.45E-10	(.7)	(.0)	1680.0	1.47E-10	(.8)	(.0)
1690.0	1.45E-10	(.8)	(.0)	1692.0	1.38E-10	(.8)	(.0)	1690.0	1.30E-10	(.7)	(.0)
1700.0	1.42E-10	(.7)	(.0)	1702.0	1.13E-10	(.7)	(.0)	1700.0	1.11E-10	(.6)	(.0)
1710.0	1.02E-10	(.6)	(.0)	1712.0	1.05E-10	(.6)	(.0)	1710.0	1.18E-10	(.7)	(.0)
1720.0	1.11E-10	(.7)	(.0)	1722.0	1.14E-10	(.7)	(.0)	1720.0	1.01E-10	(.7)	(.0)
1730.0	1.03E-10	(.7)	(.0)	1732.0	1.04E-10	(.7)	(.0)	1730.0	1.11E-10	(.8)	(.0)
1740.0	1.11E-10	(.9)	(.0)	1742.0	1.11E-10	(.9)	(.0)	1740.0	1.15E-10	(.10)	(.0)
1750.0	1.13E-10	(1.0)	(.0)	1752.0	1.10E-10	(1.0)	(.0)	1750.0	1.12E-10	(1.0)	(.0)
1760.0	1.12E-10	(1.0)	(.0)	1762.0	1.11E-10	(1.0)	(.0)	1760.0	1.00E-10	(1.0)	(.0)
1770.0	1.02E-10	(1.0)	(.0)	1772.0	1.02E-10	(1.0)	(.0)	1770.0	1.06E-10	(1.0)	(.0)
1780.0	1.02E-10	(1.0)	(.0)	1782.0	1.02E-10	(1.0)	(.0)	1780.0	1.02E-10	(1.0)	(.0)
1790.0	1.02E-10	(1.0)	(.0)	1792.0	1.04E-10	(1.0)	(.0)	1790.0	1.04E-10	(1.0)	(.0)
1800.0	1.04E-10	(1.0)	(.0)	1802.0	1.03E-10	(1.0)	(.0)	1800.0	1.04E-10	(1.0)	(.0)
1810.0	1.04E-10	(1.0)	(.0)	1812.0	1.03E-10	(1.0)	(.0)	1810.0	1.05E-10	(1.0)	(.0)
1820.0	1.02E-10	(1.0)	(.0)	1822.0							

R = <1,00>

LAMBDA, F (WT, SIG) F = AVE FLUX FROM LAM-DEL/2 TO LAM+DEL/2

1310	1.28E-08(.8 0.0)	1312	1.35E-08(.8 0.0)	1314	1.53E-08(.8 0.0)	1316	1.38E-08(.7 0.0)	1318	1.51E-08(.7 0.0)
1320	1.66E-08(.7 0.0)	1322	1.55E-08(.7 0.0)	1324	1.54E-08(.7 0.0)	1326	1.50E-08(.7 0.0)	1328	1.55E-08(.6 0.0)
1330	1.52E-08(.6 0.0)	1332	1.82E-08(.6 0.0)	1334	1.43E-08(.7 0.0)	1336	9.59E-09(.7 0.0)	1338	1.68E-08(.6 0.0)
1340	2.28E-08(.5 0.0)	1342	2.01E-08(.5 0.0)	1344	1.97E-08(.5 0.0)	1346	2.00E-08(.5 0.0)	1348	1.96E-08(.5 0.0)
1350	2.09E-08(.4 0.0)	1352	2.08E-08(.4 0.0)	1354	2.16E-08(.4 0.0)	1356	2.09E-08(.4 0.0)	1358	2.35E-08(.4 0.0)
1360	2.20E-08(.4 0.0)	1362	2.30E-08(.4 0.0)	1364	2.17E-08(.4 0.0)	1366	2.28E-08(.4 0.0)	1368	2.43E-08(.3 0.0)
1370	2.39E-08(.3 0.0)	1372	2.55E-08(.3 0.0)	1374	2.41E-08(.3 0.0)	1376	2.28E-08(.3 0.0)	1378	2.21E-08(.3 0.0)
1380	2.25E-08(.3 0.0)	1382	2.21E-08(.3 0.0)	1384	2.25E-08(.3 0.0)	1386	2.26E-08(.3 0.0)	1388	2.25E-08(.3 0.0)
1390	1.94E-08(.4 0.0)	1392	2.07E-08(.5 0.0)	1394	6.32E-09(.5 0.0)	1396	1.12E-08(.5 0.0)	1398	1.77E-08(.4 0.0)
1400	1.71E-08(.4 0.0)	1402	1.10E-08(.4 0.0)	1404	7.57E-09(.4 0.0)	1406	1.48E-08(.3 0.0)	1408	2.20E-08(.3 0.0)
1410	2.23E-08(.2 0.0)	1412	2.34E-08(.2 0.0)	1414	2.59E-08(.2 0.0)	1416	2.32E-08(.2 0.0)	1418	2.20E-08(.2 0.0)
1420	2.24E-08(.2 0.0)	1422	2.10E-08(.2 0.0)	1424	2.50E-08(.2 0.0)	1426	2.58E-08(.2 0.0)	1428	2.42E-08(.2 0.0)
1430	2.61E-08(.2 0.0)	1432	2.60E-08(.2 0.0)	1434	2.74E-08(.2 0.0)	1436	3.12E-08(.2 0.0)	1438	2.70E-08(.1 0.0)
1440	3.02E-08(.1 0.0)	1442	3.29E-08(.1 0.0)	1444	3.22E-08(.1 0.0)	1446	3.69E-08(.1 0.0)	1448	3.68E-08(.1 0.0)
1450	4.05E-08(.1 0.0)	1452	3.62E-08(.1 0.0)	1454	3.80E-08(.1 0.0)	1456	3.54E-08(.1 0.0)	1458	2.84E-08(.1 0.0)
1460	2.98E-08(.1 0.0)	1462	3.50E-08(.1 0.0)	1464	3.01E-08(.1 0.0)	1466	3.38E-08(.1 0.0)	1468	3.89E-08(.1 0.0)
1470	2.96E-08(.1 0.0)	1472	2.62E-08(.1 0.0)	1474	3.33E-08(.1 0.0)	1476	4.18E-08(.1 0.0)	1478	3.33E-08(.1 0.0)
1480	2.88E-08(.1 0.0)	1482	3.31E-08(.1 0.0)	1484	3.58E-08(.1 0.0)	1486	3.39E-08(.1 0.0)	1488	3.27E-08(.1 0.0)
1490	3.32E-08(.1 0.0)	1492	3.42E-08(.1 0.0)	1494	3.22E-08(.1 0.0)	1496	3.36E-08(.1 0.0)	1498	2.88E-08(.1 0.0)
1500	2.78E-08(.1 0.0)	1502	3.43E-08(.1 0.0)	1504	3.33E-08(.1 0.0)	1506	2.64E-08(.1 0.0)	1508	2.93E-08(.1 0.0)
1510	3.61E-08(.1 0.0)	1512	3.41E-08(.1 0.0)	1514	2.93E-08(.1 0.0)	1516	2.47E-08(.1 0.0)	1518	2.49E-08(.1 0.0)
1520	2.36E-08(.1 0.0)	1522	2.34E-08(.1 0.0)	1524	2.79E-08(.1 0.0)	1526	2.98E-08(.1 0.0)	1528	2.77E-08(.1 0.0)
1530	2.50E-08(.1 0.0)	1532	1.81E-08(.1 0.0)	1534	1.69E-08(.1 0.0)	1536	1.69E-08(.1 0.0)	1538	1.74E-08(.1 0.0)
1540	2.27E-08(.1 0.0)	1542	1.98E-08(.1 0.0)	1544	1.55E-08(.1 0.0)	1546	1.38E-08(.1 0.0)	1548	9.11E-09(.2 0.0)
1550	6.30E-09(.2 0.0)	1552	6.34E-09(.2 0.0)	1554	8.10E-09(.2 0.0)	1556	1.06E-08(.1 0.0)	1558	1.34E-08(.1 0.0)
1560	1.56E-08(.1 0.0)	1562	1.62E-08(.1 0.0)	1564	1.54E-08(.1 0.0)	1566	1.50E-08(.1 0.0)	1568	1.42E-08(.1 0.0)
1570	1.48E-08(.1 0.0)	1572	1.45E-08(.1 0.0)	1574	1.61E-08(.1 0.0)	1576	1.73E-08(.1 0.0)	1578	1.64E-08(.1 0.0)
1580	1.71E-08(.1 0.0)	1582	1.98E-08(.1 0.0)	1584	1.79E-08(.1 0.0)	1586	1.76E-08(.1 0.0)	1588	1.82E-08(.1 0.0)
1590	1.48E-08(.1 0.0)	1592	1.61E-08(.1 0.0)	1594	1.65E-08(.1 0.0)	1596	1.54E-08(.1 0.0)	1598	1.68E-08(.1 0.0)
1600	1.78E-08(.1 0.0)	1602	1.67E-08(.1 0.0)	1604	1.36E-08(.1 0.0)	1606	1.37E-08(.1 0.0)	1608	1.57E-08(.1 0.0)
1610	1.54E-08(.1 0.0)	1612	1.45E-08(.1 0.0)	1614	1.47E-08(.1 0.0)	1616	1.47E-08(.1 0.0)	1618	1.39E-08(.1 0.0)
1620	1.50E-08(.1 0.0)	1622	1.66E-08(.1 0.0)	1624	1.68E-08(.1 0.0)	1626	1.63E-08(.1 0.0)	1628	1.51E-08(.1 0.0)
1630	1.28E-08(.1 0.0)	1632	1.37E-08(.1 0.0)	1634	1.67E-08(.1 0.0)	1636	1.82E-08(.1 0.0)	0	0 (0.0 0.0)
135E	-1.93(.4 0.0)	139E	-1.57(.4 0.0)	148E	-2.41(.1 0.0)	154E	-1.69(.1 0.0)	161E	-1.58(.1 0.0)
0	0.00(0.0 0.0)	0	0.00(0.0 0.0)	0	0.00(0.0 0.0)	0	0.00(0.0 0.0)	0	0.00(0.0 0.0)
0	0.00(0.0 0.0)	0	0.00(0.0 0.0)	0	0.00(0.0 0.0)	0	0.00(0.0 0.0)	0	0.00(0.0 0.0)

X,Y(MM) -4.5 -13.8 SL3- 11 18 SCANS, T= 222 ETA CEN WT .9,SCALE 1.00

R = 0.46+-











HR 5471

 $R = 0.48:$

R = (1.06)

HD 129929

HD 129929

HD 129929

LAMBDA, F (WT, SIG)	F = AVE FLUX FROM LAM-DEL/2 TO LAM+DEL/2		
1720U 5.20E-11(.4 0.0)	1722U 4.97E-11(.3 0.0)	1724U 4.38E-11(.3 0.0)	1726U 4.25E-11(.3 0.0)
1730U 4.85E-11(.3 0.0)	1732U 4.92E-11(.4 0.0)	1734U 4.72E-11(.4 0.0)	1736U 4.64E-11(.4 0.0)
1740U 4.58E-11(.4 0.0)	1742U 4.76E-11(.4 0.0)	1744U 4.84E-11(.4 0.0)	1746U 4.89E-11(.4 0.0)
1750U 4.52E-11(.4 0.0)	1752U 4.56E-11(.4 0.0)	1754U 4.53E-11(.4 0.0)	1756U 4.35E-11(.4 0.0)
1760U 3.75E-11(.3 0.0)	1762U 3.27E-11(.3 0.0)	1764U 3.14E-11(.3 0.0)	1766U 3.69E-11(.4 0.0)
1770 4.82E-11(.5 0.0)	1772 4.72E-11(.5 0.0)	1774U 4.51E-11(.5 0.0)	1776U 4.15E-11(.4 0.0)
1780U 3.39E-11(.3 0.0)	1782U 3.19E-11(.3 0.0)	1784U 3.38E-11(.4 0.0)	1786 3.84E-11(.4 0.0)
1790U 3.75E-11(.5 0.0)	1792U 3.74E-11(.5 0.0)	1794 3.89E-11(.5 0.0)	1796 3.73E-11(.5 0.0)
1800 3.79E-11(.5 0.0)	1802 4.02E-11(.5 0.0)	1804 3.84E-11(.5 0.0)	1806U 3.51E-11(.4 0.0)
1810U 3.43E-11(.4 0.0)	1812 3.54E-11(.5 0.0)	1814 3.61E-11(.5 0.0)	1816 3.58E-11(.6 0.0)
1820 3.73E-11(.6 0.0)	1822 3.89E-11(.6 0.0)	1824 3.99E-11(.7 0.0)	1826 3.95E-11(.7 0.0)
1800 3.80E-11(.5 0.0)	1805 3.68E-11(.5 0.0)	1810U 3.43E-11(.5 0.0)	1815 3.59E-11(.5 0.0)
1825 3.96E-11(.6 0.0)	1830 3.82E-11(.6 0.0)	1835 3.60E-11(.6 0.0)	1840 3.65E-11(.6 0.0)
1850 3.61E-11(.6 0.0)	1855 3.72E-11(.7 0.0)	1860 3.93E-11(.8 0.0)	1865 3.91E-11(.8 0.0)
1875 3.85E-11(.8 0.0)	1880 3.64E-11(.8 0.0)	1885 3.26E-11(.7 0.0)	1890U 2.74E-11(.7 0.0)
1900 3.47E-11(.7 0.0)	1905 3.04E-11(.7 0.0)	1910 2.88E-11(.6 0.0)	1915 2.74E-11(.6 0.0)
1925 3.02E-11(.7 0.0)	1930 2.91E-11(.7 0.0)	1935 2.66E-11(.7 0.0)	1940 2.50E-11(.7 0.0)
1950 2.69E-11(.7 0.0)	1955 2.86E-11(.8 0.0)	1960 2.83E-11(.8 0.0)	1965 2.72E-11(.8 0.0)
1975 2.83E-11(.9 0.0)	1980 2.70E-11(.9 0.0)	1985 2.66E-11(.9 0.0)	1990 2.85E-11(1.0 0.0)
2000 2.82E-11(1.0 0.0)	2005 2.62E-11(1.0 0.0)	2010 2.54E-11(1.0 0.0)	2015 2.57E-11(1.0 0.0)
2025 2.63E-11(1.0 0.0)	2030 2.59E-11(1.0 0.0)	2035 2.63E-11(1.0 0.0)	2040 2.75E-11(1.0 0.0)
2050 2.91E-11(1.0 0.0)	2055 2.83E-11(1.0 0.0)	2060 2.78E-11(1.0 0.0)	2065 2.68E-11(1.0 0.0)
2075 2.66E-11(1.0 0.0)	2080 2.59E-11(1.0 0.0)	2085 2.45E-11(1.0 0.0)	2090 2.46E-11(1.0 0.0)
2100 2.65E-11(1.0 0.0)	2105 2.51E-11(1.0 0.0)	2110 2.55E-11(1.0 0.0)	2115 2.58E-11(1.0 0.0)
2125 2.41E-11(1.0 0.0)	2130 2.35E-11(1.0 0.0)	2140 2.35E-11(1.0 0.0)	2145 2.33E-11(1.0 0.0)
2150 2.29E-11(1.0 0.0)	2155 2.33E-11(1.0 0.0)	2160 2.35E-11(1.0 0.0)	2165 2.33E-11(1.0 0.0)
2175 2.34E-11(1.0 0.0)	2180 2.28E-11(1.0 0.0)	2185 2.25E-11(1.0 0.0)	2190 2.24E-11(1.0 0.0)
2200 2.18E-11(1.0 0.0)	2205 2.23E-11(1.0 0.0)	2210 2.30E-11(1.0 0.0)	2215 2.30E-11(1.0 0.0)
2225 2.24E-11(1.0 0.0)	2230 2.24E-11(1.0 0.0)	2235 2.20E-11(1.0 0.0)	2240 2.13E-11(1.0 0.0)
2250 2.19E-11(1.0 0.0)	2255 2.23E-11(1.0 0.0)	2260 2.21E-11(1.0 0.0)	2265 2.16E-11(1.0 0.0)
2275 2.13E-11(1.0 0.0)	2280 2.18E-11(1.0 0.0)	2285 2.22E-11(1.0 0.0)	2290 2.24E-11(1.0 0.0)
2300 2.18E-11(1.0 0.0)	2305 2.09E-11(1.0 0.0)	2310 2.05E-11(1.0 0.0)	2315 2.07E-11(1.0 0.0)
2330 2.17E-11(1.0 0.0)	2330 2.06E-11(1.0 0.0)	2330 2.11E-11(1.0 0.0)	2330 2.17E-11(1.0 0.0)
2350 2.05E-11(1.0 0.0)	2360 1.97E-11(1.0 0.0)	2370 2.00E-11(1.0 0.0)	2380 2.03E-11(1.0 0.0)
2400 2.01E-11(1.0 0.0)	2410 2.04E-11(1.0 0.0)	2420 2.04E-11(1.0 0.0)	2430 2.16E-11(.9 0.0)
2450 2.18E-11(.9 0.0)	2460 2.17E-11(.9 0.0)	2470 2.19E-11(.9 0.0)	2480 2.15E-11(.9 0.0)
2500 2.06E-11(.9 0.0)	2510 2.06E-11(.9 0.0)	2520 2.11E-11(.9 0.0)	2530 2.18E-11(.9 0.0)
2550 2.12E-11(.9 0.0)	2560 2.13E-11(.9 0.0)	2570 2.10E-11(.9 0.0)	2580 2.04E-11(.9 0.0)
2600 2.10E-11(.9 0.0)	2610 2.18E-11(.8 0.0)	2620 2.18E-11(.8 0.0)	2630 2.13E-11(.8 0.0)
2650 2.12E-11(.8 0.0)	2660 2.07E-11(.8 0.0)	2670 2.00E-11(.8 0.0)	2680 1.96E-11(.8 0.0)
2700 1.92E-11(.8 0.0)	2710 1.92E-11(.8 0.0)	2720 1.92E-11(.8 0.0)	2730 1.92E-11(.8 0.0)
2750 1.85E-11(.8 0.0)	2760 1.87E-11(.8 0.0)	2770 1.90E-11(.8 0.0)	2780 1.89E-11(.8 0.0)
2800 1.89E-11(.8 0.0)	2810 1.91E-11(.8 0.0)	2820 1.91E-11(.8 0.0)	2830 1.89E-11(.8 0.0)
2850 1.89E-11(.8 0.0)	2860 1.89E-11(.8 0.0)	2870 1.89E-11(.8 0.0)	2880 1.89E-11(.8 0.0)
2900 1.86E-11(.8 0.0)	2910 1.80E-11(.8 0.0)	2920 1.74E-11(.8 0.0)	2930 1.70E-11(.8 0.0)
2950 1.74E-11(.7 0.0)	2960 1.77E-11(.7 0.0)	2970 1.77E-11(.7 0.0)	2980 1.77E-11(.7 0.0)
3000 1.70E-11(.7 0.0)	3010 1.68E-11(.7 0.0)	3020 1.67E-11(.7 0.0)	3030 1.67E-11(.7 0.0)
3050 1.70E-11(.7 0.0)	3060 1.66E-11(.7 0.0)	3070 1.66E-11(.7 0.0)	3080 1.72E-11(.7 0.0)
3100 1.77E-11(.7 0.0)	3110 1.77E-11(.7 0.0)	3120 1.77E-11(.7 0.0)	3130 1.71E-11(.7 0.0)
3150 1.65E-11(.7 0.0)	3160 1.57E-11(.7 0.0)	3170 1.48E-11(.7 0.0)	3180 1.43E-11(.7 0.0)
3200 1.44E-11(.7 0.0)	3210 1.42E-11(.7 0.0)	3220 1.39E-11(.7 0.0)	3230 1.29E-11(.7 0.0)
3250 1.27E-11(.7 0.0)	3260 1.23E-11(.8 0.0)	3270 1.17E-11(.8 0.0)	3280 1.02E-11(.8 0.0)
3300 9.66E-12(.8 0.0)	3310 9.21E-12(.8 0.0)	3320 8.74E-12(.8 0.0)	3330 8.27E-12(.8 0.0)
3350 7.68E-12(.9 0.0)	3360 7.57E-12(.9 0.0)	3370 7.41E-12(.9 0.0)	3380 7.19E-12(.9 0.0)
3400 6.72E-12(.9 0.0)	3410 6.58E-12(.9 0.0)	3420 6.44E-12(.9 0.0)	3430 6.29E-12(.9 0.0)
3450 6.06E-12(.9 0.0)	3460 5.98E-12(1.0 0.0)	3470 5.88E-12(1.0 0.0)	3480 5.78E-12(1.0 0.0)
3500 5.58E-12(1.0 0.0)	3510 5.55E-12(1.0 0.0)	3520 5.54E-12(1.0 0.0)	3530 5.55E-12(1.0 0.0)
3550 5.56E-12(1.0 0.0)	3560 5.57E-12(1.0 0.0)	3570 5.61E-12(1.0 0.0)	3580 5.71E-12(1.0 0.0)
3600 5.85E-12(1.0 0.0)	3610 5.89E-12(1.0 0.0)	3620 5.87E-12(1.0 0.0)	3630 5.84E-12(1.0 0.0)
135 0.00(0.0 0.0)	139 0.00(0.0 0.0)	148 0.00(0.0 0.0)	154 0.00(0.0 0.0)
166 0.00(0.0 0.0)	172 0.00(0.0 0.0)	181 4.97(.6 0.0)	192 5.20(.7 0.0)
219 5.50(1.0 0.0)	245 5.60(.9 0.0)	280 5.71(.8 0.0)	360 6.28(.8 0.0)
X,Y(MM) -5.8 -2.7	SL3- 18	26 SCANS, T= 265	HD 129929 WT 1.0, SCALE 1.00

R = 0.49:



LAMBDA_F (W, SIG)				F - AVE FLUX FROM LAM-DEL/2 TO LAM-DEL/2				LAMBDA_F (W, SIG)				F - AVE FLUX FROM LAM-DEL/2 TO LAM-DEL/2							
1310U	8.45E-10	(.6	0.0)	1312	1.45E-09	(.8	0.0)	1314	1.29E-09	(.7	0.0)	1316	1.29E-09	(.7	0.0)	1318U	1.03E-09	(.7	0.0)
1320	1.25E-09	(.8	0.0)	1322	1.36E-09	(.8	0.0)	1324	1.18E-09	(.7	0.0)	1326	9.56E-10	(.6	0.0)	1328U	9.47E-10	(.6	0.0)
1330	1.05E-09	(.6	0.0)	1332	9.46E-10	(.6	0.0)	1334U	7.83E-10	(.5	0.0)	1336U	7.07E-10	(.5	0.0)	1338	8.94E-10	(.6	0.0)
1340	8.90E-10	(.7	0.0)	1342	8.08E-10	(.7	0.0)	1344	7.85E-10	(.6	0.0)	1346	7.91E-10	(.7	0.0)	1348	8.51E-10	(.8	0.0)
1350	9.13E-10	(.9	0.0)	1352	9.46E-10	(.8	0.0)	1354	7.10E-10	(.9	0.0)	1356	9.65E-10	(.9	0.0)	1358	9.77E-10	(1.0	0.0)
1360	1.02E-09	(1.0	0.0)	1362	8.87E-10	(1.0	0.0)	1364	9.55E-10	(1.0	0.0)	1366	8.74E-10	(1.1	0.0)	1368	8.64E-10	(1.0	0.0)
1370	1.05E-09	(1.0	0.0)	1372	8.11E-10	(1.0	0.0)	1374	1.32E-09	(1.0	0.0)	1376	1.55E-10	(1.2	0.0)	1378	1.44E-10	(1.2	0.0)
1380	9.86E-10	(1.0	0.0)	1382	9.77E-10	(1.2	17.8)	1384	9.02E-10	(1.2	11.6)	1386	8.45E-10	(1.2	10.1)	1388	9.33E-10	(1.2	6.5)
1390	8.58E-10	(1.2	8.2)	1392	7.98E-10	(1.2	5.0)	1394	8.32E-10	(1.2	10.2)	1396	8.67E-10	(1.3	7.7)	1398	8.09E-10	(1.3	11.4)
1400	8.13E-10	(1.2	5.9)	1402	7.79E-10	(1.3	10.1)	1404	6.64E-10	(1.2	15.5)	1406	7.47E-10	(1.3	6.2)	1408	7.25E-10	(1.3	8.4)
1410	7.55E-10	(1.4	5.2)	1412	7.60E-10	(1.4	7.9)	1414	8.22E-10	(1.4	9.5)	1416	7.75E-10	(1.5	11.0)	1418	7.57E-10	(1.5	9.2)
1420	8.76E-10	(1.5	6.1)	1422	8.35E-10	(1.5	10.1)	1424	7.67E-10	(1.5	9.0)	1426	8.26E-10	(1.6	6.3)	1428	8.03E-10	(1.6	4.2)
1430	8.38E-10	(1.6	8.8)	1432	8.61E-10	(1.6	9.6)	1434	8.44E-10	(1.6	4.8)	1436	8.55E-10	(1.6	6.0)	1438	8.52E-10	(1.6	8.8)
1440	8.38E-10	(1.4	8.4)	1442	8.98E-10	(1.4	4.8)	1444	5.99E-10	(1.4	1.8)	1446	5.99E-10	(1.4	1.8)	1448	5.99E-10	(1.4	1.8)
1450	8.76E-10	(1.6	14.4)	1452	8.91E-10	(1.6	5.6)	1454	9.09E-10	(1.6	12.1)	1456	8.71E-10	(1.6	14.1)	1458	8.00E-10	(1.6	7.7)
1460	7.75E-10	(1.6	4.5)	1462	7.75E-10	(1.7	5.6)	1464	7.93E-10	(1.7	6.5)	1466	7.75E-10	(1.7	4.9)	1468	7.39E-10	(1.7	6.2)
1470	7.17E-10	(1.7	4.8)	1472	7.35E-10	(1.7	5.8)	1474	7.26E-10	(1.7	5.7)	1476	7.30E-10	(1.7	5.6)	1478	6.73E-10	(1.8	5.7)
1480	6.81E-10	(1.8	5.1)	1482	7.26E-10	(1.8	7.4)	1484	7.03E-10	(1.8	7.4)	1486	6.54E-10	(1.9	6.1)	1488	7.25E-10	(1.9	9.3)
1490	7.68E-10	(2.0	5.0)	1492	7.19E-10	(1.9	3.5)	1494	7.03E-10	(1.9	6.6)	1496	7.31E-10	(1.8	2.6)	1498	7.02E-10	(1.8	8.0)
1500	7.08E-10	(1.8	7.8)	1502	7.05E-10	(2.0	1.9)	1504	7.08E-10	(2.0	1.8)	1506	6.08E-10	(2.1	8.1)	1508	7.11E-10	(2.2	5.6)
1510	6.77E-10	(2.1	7.7)	1512	6.05E-10	(2.1	9.1)	1514	6.76E-10	(2.1	5.0)	1516	6.						

X,Y(MM) -2.7 10.9 SI.3- 12 20 SCANS, T= 222 OMI LUP WT 1.1,SCALE 1.01

X,Y(MM) -2.7 10.9 SL3- 13 22 SCANS, T= 77 OMI LUP WT 1.0,SCALE .99

R = 1.20

LAMBDA, F (WT, SIG) F = AVE FLUX FROM LAM-DEL/2 TO LAM+DEL/2

2175, 0.00E-12(0.0 0.0)	2180, 0.00E-12(0.0 0.0)	2185U, 2.29E-12(0.2 0.0)	2190U, 2.75E-12(0.3 0.0)	2195U, 2.92E-12(0.3 0.0)
2200U, 2.85E-12(0.3 0.0)	2205U, 2.81E-12(0.4 0.0)	2210U, 3.11E-12(0.4 0.0)	2215, 3.49E-12(0.5 0.0)	2220, 3.54E-12(0.5 0.0)
2225, 3.38E-12(0.5 0.0)	2230, 3.38E-12(0.5 0.0)	2235, 3.63E-12(0.6 0.0)	2240, 3.86E-12(0.7 0.0)	2245, 3.84E-12(0.7 0.0)
2250, 3.61E-12(0.7 0.0)	2255, 3.36E-12(0.6 0.0)	2260, 3.26E-12(0.6 0.0)	2265, 3.32E-12(0.6 0.0)	2270, 3.44E-12(0.6 0.0)
2275, 3.59E-12(0.7 0.0)	2280, 3.79E-12(0.8 0.0)	2285, 3.92E-12(0.9 0.0)	2290, 3.82E-12(0.8 0.0)	2295, 3.55E-12(0.7 0.0)
2300, 3.33E-12(0.7 0.0)	2305, 3.18E-12(0.6 0.0)	2310, 3.22E-12(0.7 0.0)	2315, 3.27E-12(0.7 0.0)	0.0, 0.0(0.0 0.0)
2330, 3.34E-12(0.7 0.0)	2310, 3.22E-12(0.7 0.0)	2320, 3.27E-12(0.7 0.0)	2330, 2.89E-12(0.6 0.0)	2340, 2.33E-12(0.5 0.0)
2350U, 2.09E-12(0.4 0.0)	2360U, 1.89E-12(0.4 0.0)	2370, 2.02E-12(0.5 0.0)	2380, 2.48E-12(0.6 0.0)	2390, 2.67E-12(0.7 0.0)
2400, 2.81E-12(0.8 0.0)	2410, 3.27E-12(0.9 0.0)	2420, 3.83E-12(0.9 0.0)	2430, 4.15E-12(0.9 0.0)	2440, 4.35E-12(0.9 0.0)
2450, 4.57E-12(0.9 0.0)	2460, 4.62E-12(0.9 0.0)	2470, 4.80E-12(0.9 0.0)	2480, 5.00E-12(0.9 0.0)	2490, 4.83E-12(0.9 0.0)
2500, 4.48E-12(0.9 0.0)	2510, 4.22E-12(0.9 0.0)	2520, 4.36E-12(0.9 0.0)	2530, 4.77E-12(0.9 0.0)	2540, 4.98E-12(0.9 0.0)
2550, 5.04E-12(0.9 0.0)	2560, 5.27E-12(0.9 0.0)	2570, 5.75E-12(0.9 0.0)	2580, 6.37E-12(0.9 0.0)	2590, 6.81E-12(0.9 0.0)
2600, 7.28E-12(0.9 0.0)	2610, 8.04E-12(0.9 0.0)	2620, 8.75E-12(0.9 0.0)	2630, 9.20E-12(0.9 0.0)	2640, 9.65E-12(0.9 0.0)
2650, 1.04E-11(0.9 0.0)	2660, 1.12E-11(0.9 0.0)	2670, 1.19E-11(0.9 0.0)	2680, 1.25E-11(0.9 0.0)	2690, 1.30E-11(0.9 0.0)
2700, 1.32E-11(0.8 0.0)	2710, 1.34E-11(0.8 0.0)	2720, 1.33E-11(0.8 0.0)	2730, 1.30E-11(0.8 0.0)	2740, 1.25E-11(0.8 0.0)
2750, 1.21E-11(0.9 0.0)	2760, 1.17E-11(0.9 0.0)	2770, 1.12E-11(0.9 0.0)	2780, 1.08E-11(0.9 0.0)	2790, 1.09E-11(0.8 0.0)
2800, 1.13E-11(0.9 0.0)	2810, 1.19E-11(0.8 0.0)	2820, 1.23E-11(0.8 0.0)	2830, 1.28E-11(0.8 0.0)	2840, 1.33E-11(0.8 0.0)
2850, 1.42E-11(0.7 0.0)	2860, 1.53E-11(0.7 0.0)	2870, 1.64E-11(0.7 0.0)	2880, 1.74E-11(0.6 0.0)	2890, 1.85E-11(0.6 0.0)
2900, 2.01E-11(0.6 0.0)	2910, 2.18E-11(0.5 0.0)	2920, 2.32E-11(0.5 0.0)	2930, 2.40E-11(0.5 0.0)	2940, 2.44E-11(0.5 0.0)
2950, 2.46E-11(0.5 0.0)	2960, 2.47E-11(0.5 0.0)	2970, 2.49E-11(0.5 0.0)	2980, 2.50E-11(0.5 0.0)	2990, 2.52E-11(0.5 0.0)
3000, 2.55E-11(0.4 0.0)	3010, 2.58E-11(0.4 0.0)	3020, 2.62E-11(0.4 0.0)	3030, 2.65E-11(0.4 0.0)	0.0, 0.0(0.0 0.0)
3000, 2.55E-11(0.4 0.0)	3020, 2.62E-11(0.4 0.0)	3040, 2.65E-11(0.4 0.0)	3060, 2.62E-11(0.4 0.0)	3080E, 2.68E-11(0.4 0.0)
3100E, 2.59E-11(0.4 0.0)	3120E, 3.59E-11(0.3 0.0)	3140E, 3.55E-11(0.3 0.0)	3160E, 3.59E-11(0.3 0.0)	3180E, 3.49E-11(0.3 0.0)
3200E, 3.46E-11(0.3 0.0)	3220E, 3.59E-11(0.3 0.0)	3240E, 3.70E-11(0.3 0.0)	3260E, 3.73E-11(0.3 0.0)	3280E, 3.92E-11(0.3 0.0)
3300E, 4.26E-11(0.2 0.0)	3320E, 4.49E-11(0.2 0.0)	3340E, 4.59E-11(0.2 0.0)	3360E, 4.72E-11(0.2 0.0)	3380E, 4.87E-11(0.2 0.0)
3400E, 5.12E-11(0.2 0.0)	3420E, 5.30E-11(0.2 0.0)	3440E, 5.33E-11(0.2 0.0)	3460E, 5.11E-11(0.2 0.0)	3480E, 4.94E-11(0.2 0.0)
3500E, 4.84E-11(0.2 0.0)	3520E, 4.82E-11(0.2 0.0)	3540E, 4.85E-11(0.2 0.0)	3560E, 4.82E-11(0.2 0.0)	3580E, 4.69E-11(0.2 0.0)
3600E, 4.63E-11(0.2 0.0)	3620E, 4.73E-11(0.2 0.0)	3640E, 5.00E-11(0.2 0.0)	3660E, 5.17E-11(0.2 0.0)	3680E, 5.09E-11(0.2 0.0)
3700E, 4.76E-11(0.2 0.0)	3720E, 4.49E-11(0.2 0.0)	3740E, 4.41E-11(0.2 0.0)	3760E, 4.53E-11(0.2 0.0)	3780E, 4.84E-11(0.2 0.0)
3800E, 5.10E-11(0.2 0.0)	3820E, 5.30E-11(0.2 0.0)	3840E, 5.40E-11(0.2 0.0)	3860E, 5.49E-11(0.2 0.0)	3880E, 5.57E-11(0.2 0.0)
3900E, 5.68E-11(0.2 0.0)	3920E, 5.81E-11(0.2 0.0)	3940E, 5.96E-11(0.2 0.0)	3960E, 6.09E-11(0.2 0.0)	3980E, 6.19E-11(0.2 0.0)
4000E, 6.23E-11(0.2 0.0)	4020E, 6.25E-11(0.2 0.0)	4040E, 6.26E-11(0.2 0.0)	4060E, 6.28E-11(0.2 0.0)	4080E, 6.32E-11(0.2 0.0)
4100E, 6.40E-11(0.2 0.0)	4120E, 6.59E-11(0.2 0.0)	4140E, 6.81E-11(0.2 0.0)	4160E, 7.14E-11(0.2 0.0)	4180E, 7.49E-11(0.2 0.0)
135, 0.00(0.0 0.0)	139, 0.00(0.0 0.0)	148, 0.00(0.0 0.0)	154, 0.00(0.0 0.0)	161, 0.00(0.0 0.0)
166, 0.00(0.0 0.0)	172, 0.00(0.0 0.0)	181, 0.00(0.0 0.0)	192, 0.00(0.0 0.0)	204, 0.00(0.0 0.0)
219, 0.00(0.0 0.0)	245, 7.37(0.9 0.0)	280, 5.87(0.7 0.0)	360E, 4.73(0.2 0.0)	0, 0.00(0.0 0.0)

X,Y(MM) -5.6 -3.3 SL3-- 4 14 SCANS, T= 200: ALF-1 LIB WT-.9, SCALE 1.00

R = <1.00>



LAMBDA F ( WT. SIG)				F = AVE FLUX FROM LAM-DEL/2 TO LAM-DEL/2															
1380U	5.49E-10	(.2	0.0)	1382U	5.92E-10	(.2	0.0)	1384U	6.37E-10	(.3	0.0)	1386U	6.34E-10	(.3	0.0)	1388U	6.51E-10	(.3	0.0)
1390U	7.11E-10	(.3	0.0)	1392U	5.68E-10	(.3	0.0)	1394U	6.14E-10	(.3	0.0)	1396U	7.10E-10	(.4	0.0)	1398	7.00E-10	(.5	0.0)
1400U	7.26E-10	(.5	0.0)	1402U	6.37E-10	(.5	0.0)	1404	6.96E-10	(.5	0.0)	1406	7.21E-10	(.5	0.0)	1408U	5.92E-10	(.5	0.0)
1410	6.28E-10	(.5	0.0)	1412	6.52E-10	(.5	0.0)	1414	6.25E-10	(.5	0.0)	1416U	5.85E-10	(.5	0.0)	1418	5.64E-10	(.5	0.0)
1420	6.28E-10	(.5	0.0)	1422	6.22E-10	(.5	0.0)	1424	5.95E-10	(.5	0.0)	1426	5.92E-10	(.5	0.0)	1428	5.64E-10	(.5	0.0)
1430	6.00E-10	(.6	0.0)	1432	5.97E-10	(.7	0.0)	1434	5.82E-10	(.7	0.0)	1436	5.51E-10	(.7	0.0)	1438	6.03E-10	(.7	0.0)
1440	5.94E-10	(.7	0.0)	1442	5.52E-10	(.7	0.0)	1444	5.52E-10	(.7	0.0)	1446	5.52E-10	(.8	0.0)	1448	6.27E-10	(.8	0.0)
1450	6.14E-10	(.9	0.0)	1452	6.16E-10	(.9	0.0)	1454	5.95E-10	(.9	0.0)	1456	6.22E-10	(1.0	0.0)	1458	6.04E-10	(1.0	0.0)
1460	6.26E-10	(1.0	0.0)	1462	6.12E-10	(1.0	0.0)	1464	6.14E-10	(1.0	0.0)	1466	5.90E-10	(1.0	0.0)	1468	6.17E-10	(1.0	0.0)
1470	6.05E-10	(1.0	0.0)	1472	5.84E-10	(1.0	0.0)	1474	6.19E-10	(1.0	0.0)	1476	6.02E-10	(1.0	0.0)	1478	5.85E-10	(1.0	0.0)
1480	5.94E-10	(1.0	0.0)	1482	5.58E-10	(1.0	0.0)	1484	5.29E-10	(1.0	0.0)	1486	5.03E-10	(1.0	0.0)	1488	5.11E-10	(1.0	0.0)
1490	5.38E-10	(1.0	0.0)	1492	5.58E-10	(1.0	0.0)	1494	5.49E-10	(1.0	0.0)	1496	5.42E-10	(1.0	0.0)	1498	5.45E-10	(1.0	0.0)
1500	5.31E-10	(1.0	0.0)	1502	5.27E-10	(1.0	0.0)	1504	5.47E-10	(1.0	0.0)	1506	5.51E-10	(1.0	0.0)	1508	5.45E-10	(1.0	0.0)
1510	5.10E-10	(1.0	0.0)	1512	5.26E-10	(1.0	0.0)	1514	5.12E-10	(1.0	0.0)	1516	5.16E-10	(1.0	0.0)	1518	5.45E-10	(1.0	0.0)
1520	5.57E-10	(1.0	0.0)	1522	5.52E-10	(1.0	0.0)	1524	5.14E-10	(1.0	0.0)	1526	5.22E-10	(1.0	0.0)	1528	5.17E-10	(1.0	0.0)
1530	4.98E-10	(1.0	0.0)	1532	5.06E-10	(1.0	0.0)	1534	5.11E-10	(1.0	0.0)	1536	4.86E-10	(1.0	0.0)	1538	5.03E-10	(1.0	0.0)
1540	5.19E-10	(1.0	0.0)	1542	5.14E-10	(1.0	0.0)	1544	5.06E-10	(1.0	0.0)	1546	5.20E-10	(1.0	0.0)	1548	5.27E-10	(1.0	0.0)
1550	5.7E-10	(1.0	0.0)	1552	5.15E-10	(1.0	0.0)	1554	5.21E-10	(1.0	0.0)	1556	5.25E-10	(1.0	0.0)	1558	5.12E-10	(1.0	0.0)
1560	5.05E-10	(1.0	0.0)	1562	5.05E-10	(1.0	0.0)	1564	5.05E-10	(1.0	0.0)	1566	5.05E-10	(1.0	0.0)	1568	5.12E-10	(1.0	0.0)
1570	5.05E-10	(1.0	0.0)	1572	4.95E-10	(1.0	0.0)	1574	4.74E-10	(1.0	0.0)	1576	4.74E-10	(1.0	0.0)	1578	4.87E-10	(1.0	0.0)
1580	4.96E-10	(1.0	0.0)	1582	4.93E-10	(1.0	0.0)	1584	4.93E-10	(1.0	0.0)	1586	4.85E-10	(1.0	0.0)	1588	4.87E-10	(1.0	

X,Y(MM) -7.8 -14.9 SL3- 18 24 SCANS, T= 265 HR 5543 WT 1.0,SCALE 1.00

$$R = 0.35: + \sim$$



LAMBDA	F	( WT. SIG.)	F - AVE	FLEX	FROM LAM-DEL/2	TO LAM-DEL/2								
1450U	2.32E-10	( 3. 0.0)	1452U	2.19E-10	( 4. 0.0)	1454U	2.36E-10	( 4. 0.0)	1456U	2.26E-10	( 4. 0.0)	1458U	2.15E-10	( 4. 0.0)
1460U	2.32E-10	( 4. 0.0)	1462U	2.11E-10	( 5. 0.0)	1464U	2.30E-10	( 5. 0.0)	1466U	2.24E-10	( 5. 0.0)	1468U	2.11E-10	( 5. 0.0)
1470U	2.26E-10	( 5. 0.0)	1472U	2.25E-10	( 5. 0.0)	1474U	1.97E-10	( 5. 0.0)	1476U	1.99E-10	( 4. 0.0)	1478U	1.81E-10	( 4. 0.0)
1480U	1.87E-10	( 4. 0.0)	1482U	1.85E-10	( 5. 0.0)	1484U	2.11E-10	( 6. 0.0)	1486U	2.27E-10	( 6. 0.0)	1488U	2.08E-10	( 6. 0.0)
1490U	2.23E-10	( 6. 0.0)	1492U	2.26E-10	( 7. 0.0)	1494U	2.31E-10	( 7. 0.0)	1496U	2.33E-10	( 7. 0.0)	1498U	2.36E-10	( 7. 0.0)
1500U	2.32E-10	( 7. 0.0)	1502U	2.34E-10	( 8. 0.0)	1504U	2.33E-10	( 8. 0.0)	1506U	2.34E-10	( 9. 0.0)	1508U	2.23E-10	( 8. 0.0)
1510U	2.11E-10	( 9. 0.0)	1512U	2.08E-10	( 7. 1.0)	1514U	2.06E-10	( 8. 0.0)	1516U	1.98E-10	( 8. 0.0)	1518U	1.95E-10	( 9. 0.0)
1520U	1.53E-10	( 9. 0.0)	1522U	1.58E-10	( 9. 0.0)	1524U	1.52E-10	( 9. 0.0)	1526U	1.11E-10	( 9. 0.0)	1528U	1.25E-10	( 9. 0.0)
1530U	1.91E-10	( 8. 0.0)	1532U	1.88E-10	( 9. 0.0)	1534U	1.77E-10	( 8. 0.0)	1536U	1.89E-10	( 9. 0.0)	1538U	1.99E-10	( 9. 0.0)
1540U	1.89E-10	( 9. 0.0)	1542U	1.82E-10	( 9. 0.0)	1544U	1.81E-10	( 9. 0.0)	1546U	1.84E-10	( 9. 0.0)	1548U	1.78E-10	( 9. 0.0)
1550U	1.88E-10	( 9. 0.0)	1552U	1.91E-10	( 9. 0.0)	1554U	1.85E-10	( 9. 0.0)	1556U	1.80E-10	( 9. 0.0)	1558U	1.77E-10	( 9. 0.0)
1560U	1.82E-10	( 9. 0.0)	1562U	1.83E-10	( 9. 0.0)	1564U	1.70E-10	( 9. 0.0)	1566U	1.67E-10	( 9. 0.0)	1568U	1.67E-10	( 9. 0.0)
1570U	1.61E-10	( 9. 0.0)	1572U	1.64E-10	( 9. 0.0)	1574U	1.69E-10	( 9. 0.0)	1576U	1.62E-10	( 9. 0.0)	1578U	1.63E-10	( 9. 0.0)
1580U	1.74E-10	( 9. 0.0)	1582U	1.81E-10	( 9. 0.0)	1584U	1.73E-10	( 9. 0.0)	1586U	1.66E-10	( 9. 0.0)	1588U	1.75E-10	( 9. 0.0)
1590U	1.92E-10	( 9. 0.0)	1592U	1.99E-10	( 9. 0.0)	1594U	1.89E-10	( 9. 0.0)	1596U	1.82E-10	( 9. 0.0)	1598U	1.71E-10	( 9. 0.0)
1600U	1.68E-10	( 9. 0.0)	1602U	1.61E-10	( 9. 0.0)	1604U	1.60E-10	( 9. 0.0)	1606U	1.52E-10	( 9. 0.0)	1608U	1.48E-10	( 9. 0.0)
1610U	1.53E-10	( 9. 0.0)	1612U	1.56E-10	( 9. 0.0)	1614U	1.52E-10	( 9. 0.0)	1616U	1.45E-10	( 9. 0.0)	1618U	1.46E-10	( 9. 0.0)
1620U	1.45E-10	( 9. 0.0)	1622U	1.48E-10	( 9. 0.0)	1624U	1.53E-10	( 9. 0.0)	1626U	1.53E-10	( 9. 0.0)	1628U	1.54E-10	( 9. 0.0)
1630U	1.59E-10	( 9. 0.0)	1632U	1.54E-10	( 9. 0.0)	1634U	1.53E-10	( 9. 0.0)	1636U	1.59E-10	( 9. 0.0)	1638U	1.61E-10	( 9. 0.0)
1640U	1.61E-10	( 9. 0.0)	1642U	1.68E-10	( 9. 0.0)	1644U	1.71E-10	( 9. 0.0)	1646U	1.68E-10	( 9. 0.0)	1648U	1.70E-10	( 9. 0.0)
1650U	1.75E-10	( 9. 0.0)	1652U	1.71E-10	( 9. 0.0)	1654U	1.66E-10	( 9. 0.0)	1656U	1.61E-10	( 9. 0.0)	1658U	1.62E-10	( 9. 0.0)
1660U	1.66E-10	( 9. 0.0)	1662U	1.66E-10	( 9. 0.0)	1664U	1.54E-10	( 9. 0.0)	1666U	1.54E-10	( 9. 0.0)	1668U	1.54E-10	( 9. 0.0)
1670U	1.44E-10	( 9. 0.0)	1672U	1.66E-										

$$R = 1.66$$



$R = 0.76$



R = 1.29:



LAMBDA F ( WT. SIG)				F = AVE FLUX FROM LAM-DEL/2 TO LAM-DEL/2				LAMBDA F ( WT. SIG)				F = AVE FLUX FROM LAM-DEL/2 TO LAM-DEL/2							
1320U	3.67E-10	1	0.0	1322U	4.68E-10	2	0.0	1324U	4.88E-10	2	0.0	1326U	3.53E-10	2	0.0	1328U	4.16E-10	2	0.0
1330U	4.88E-10	1	0.0	1332U	4.73E-10	3	0.0	1334U	4.06E-10	3	0.0	1336U	4.49E-10	3	0.0	1338U	4.80E-10	3	0.0
1340U	4.35E-10	3	0.0	1342U	4.19E-10	4	0.0	1344U	5.64E-10	5	0.0	1346U	6.35E-10	5	0.0	1348U	5.28E-10	6	0.0
1350U	4.40E-10	5	0.0	1352U	4.94E-10	4	0.0	1354U	4.13E-10	5	0.0	1356U	4.53E-10	5	0.0	1358U	4.50E-10	5	0.0
1360U	4.44E-10	5	0.0	1362U	4.31E-10	5	0.0	1364U	4.44E-10	6	0.0	1366U	4.91E-10	6	0.0	1368U	4.43E-10	6	0.0
1370U	3.64E-10	6	0.0	1372U	4.17E-10	5	0.0	1374U	3.82E-10	5	0.0	1376U	3.46E-10	4	0.0	1378U	3.04E-10	4	0.0
1380U	3.07E-10	4	0.0	1382U	3.40E-10	4	0.0	1384U	2.70E-10	5	0.0	1386U	3.30E-10	5	0.0	1388U	3.43E-10	5	0.0
1390U	3.19E-10	4	0.0	1392U	1.95E-10	4	0.0	1394U	2.46E-10	5	0.0	1396U	2.68E-10	5	0.0	1398U	2.85E-10	5	0.0
1400U	4.33E-10	5	0.0	1402U	2.71E-10	5	0.0	1404U	4.80E-10	6	0.0	1406U	4.08E-10	6	0.0	1408U	3.34E-10	7	0.0
1410U	3.27E-10	8	0.0	1412U	3.41E-10	9	0.0	1414U	3.56E-10	9	0.0	1416U	3.25E-10	9	0.0	1418U	2.94E-10	8	0.0
1420U	3.25E-10	9	0.0	1422U	3.21E-10	9	0.0	1424U	3.04E-10	9	0.0	1426U	2.88E-10	9	0.0	1428U	2.98E-10	9	0.0
1430U	3.09E-10	9	0.0	1432U	2.97E-10	9	0.0	1434U	3.06E-10	9	0.0	1436U	3.19E-10	9	0.0	1438U	3.06E-10	9	0.0
1440U	3.53E-10	9	0.0	1442U	3.44E-10	9	0.0	1444U	3.10E-10	9	0.0	1446U	3.37E-10	9	0.0	1448U	3.31E-10	9	0.0
1450U	3.28E-10	9	0.0	1452U	3.38E-10	9	0.0	1454U	3.37E-10	9	0.0	1456U	3.34E-10	9	0.0	1458U	3.65E-10	9	0.0
1460U	3.56E-10	9	0.0	1462U	3.79E-10	9	0.0	1464U	3.63E-10	9	3.3	1466U	3.42E-10	9	3.3	1468U	3.45E-10	9	3.3
1470U	3.63E-10	1.72	5	1472U	3.69E-10	1.5	4	1474U	3.18E-10	1.1	1	1476U	4.06E-10	1.3	4	1478U	4.07E-10	1.3	6
1480U	4.0E-10	1.2	9	1482U	4.12E-10	1.2	4	1484U	4.33E-10	1.2	1	1486U	4.31E-10	1.3	6	1488U	4.32E-10	1.3	10
1490U	4.36E-10	1.3	12.7	1492U	4.27E-10	1.4	10.4	1494U	4.26E-10	1.4	3.1	1496U	4.07E-10	1.4	7.3	1498U	4.20E-10	1.4	7.7
1500U	4.41E-10	1.5	7.7	1502U	4.02E-10	1.5	4.3	1504U	4.50E-10	1.5	7.6	1506U	4.64E-10	1.6	5.6	1508U	4.27E-10	1.6	6.2
1510U	4.23E-10	1.6	15.5	1512U	4.36E-10	1.6	17.1	1514U	4.61E-10	1.6	9.8	1516U	4.34E-10	1.6	6.7	1518U	4.00E-10	1.6	3.6
1520U	4.19E-10	1.6	8.9	1522U	4.00E-10	1.6	13.6	1524U	3.89E-10	1.6	9.3	1526U	3.57E-10	1					





$$R = 1.15$$

LAMBDA, F (WT, SIG)	F = AVE FLUX FROM LAM-DEL/2 TO LAM+DEL/2		
1560, 0.00E-10 (0.0 0.0)	1562, 0.00E-10 (0.0 0.0)	1564, 0.00E-10 (0.0 0.0)	1566, 8.06E-10 (9 0.0)
1570, 7.89E-10 (9 0.0)	1572, 7.95E-10 (9 0.0)	1574, 8.32E-10 (9 0.0)	1576, 8.43E-10 (9 0.0)
1580, 8.23E-10 (9 0.0)	1582, 7.46E-10 (9 0.0)	1584, 6.85E-10 (9 0.0)	1586, 7.71E-10 (9 0.0)
1590, 7.69E-10 (9 0.0)	1592, 8.28E-10 (9 0.0)	1594, 8.13E-10 (9 0.0)	1596, 7.48E-10 (9 0.0)
1600, 6.90E-10 (9 0.0)	1602, 6.64E-10 (1 0.0)	1604, 6.33E-10 (1 0.0)	1606, 6.66E-10 (1 0.0)
1610, 7.56E-10 (9 0.0)	1612, 8.04E-10 (9 0.0)	1614, 8.71E-10 (9 0.0)	1616, 8.79E-10 (9 0.0)
1620, 8.23E-10 (9 0.0)	1622, 7.95E-10 (9 0.0)	1624, 7.73E-10 (9 0.0)	1626, 8.02E-10 (9 0.0)
1630, 8.47E-10 (9 0.0)	1632, 7.83E-10 (9 0.0)	1634, 7.02E-10 (9 0.0)	1636, 7.31E-10 (9 0.0)
1640, 7.98E-10 (9 0.0)	1642, 7.99E-10 (9 0.0)	1644, 7.70E-10 (9 0.0)	1646, 7.50E-10 (9 0.0)
1650, 7.59E-10 (9 0.0)	1652, 7.44E-10 (9 0.0)	1654, 7.01E-10 (9 0.0)	1656, 6.78E-10 (9 0.0)
1660, 6.13E-10 (9 0.0)	1662, 5.69E-10 (9 0.0)	1664, 6.31E-10 (9 0.0)	1666, 6.89E-10 (9 0.0)
1670, 5.69E-10 (9 0.0)	1672, 5.64E-10 (9 0.0)	1674, 5.66E-10 (9 0.0)	1676, 5.88E-10 (9 0.0)
1680, 6.78E-10 (9 0.0)	1682, 6.83E-10 (9 0.0)	1684, 6.95E-10 (9 0.0)	1686, 7.33E-10 (9 0.0)
1690, 7.83E-10 (9 0.0)	1692, 7.91E-10 (9 0.0)	1694, 7.30E-10 (9 0.0)	1696, 6.73E-10 (9 0.0)
1700, 6.69E-10 (9 0.0)	1702, 6.67E-10 (9 0.0)	1704, 6.58E-10 (9 0.0)	1706, 6.33E-10 (9 0.0)
1710, 6.68E-10 (9 0.0)	1712, 6.42E-10 (9 0.0)	1714, 6.12E-10 (9 0.0)	1716, 5.90E-10 (9 0.0)
1720, 6.25E-10 (9 0.0)	1722, 6.54E-10 (9 0.0)	1724, 6.50E-10 (9 0.0)	1726, 6.19E-10 (9 0.0)
1730, 6.42E-10 (9 0.0)	1732, 5.67E-10 (9 0.0)	1734, 6.14E-10 (9 0.0)	1736, 6.14E-10 (9 0.0)
1740, 5.33E-10 (9 0.0)	1742, 5.58E-10 (9 0.0)	1744, 5.55E-10 (9 0.0)	1746, 5.82E-10 (9 0.0)
1750, 6.16E-10 (9 0.0)	1752, 5.68E-10 (9 0.0)	1754, 5.46E-10 (9 0.0)	1756, 5.54E-10 (9 0.0)
1760, 5.75E-10 (9 0.0)	1762, 5.76E-10 (9 0.0)	1764, 5.76E-10 (9 0.0)	1766, 5.88E-10 (9 0.0)
1770, 5.75E-10 (9 0.0)	1772, 5.68E-10 (9 0.0)	1774, 5.56E-10 (9 0.0)	1776, 5.33E-10 (9 0.0)
1780, 5.46E-10 (9 0.0)	1782, 5.74E-10 (9 0.0)	1784, 5.80E-10 (8 0.0)	1786, 5.65E-10 (8 0.0)
1790, 5.46E-10 (8 0.0)	1792, 5.70E-10 (8 0.0)	1794, 6.20E-10 (8 0.0)	1796, 6.49E-10 (8 0.0)
1800, 6.23E-10 (8 0.0)	1802, 6.05E-10 (8 0.0)	1804, 6.19E-10 (8 0.0)	1806, 6.62E-10 (8 0.0)
1810, 6.35E-10 (8 0.0)	1812, 5.96E-10 (8 0.0)	1814, 5.79E-10 (8 0.0)	1816, 5.88E-10 (8 0.0)
1820, 6.30E-10 (8 0.0)	1822, 6.11E-10 (8 0.0)	1824, 6.05E-10 (8 0.0)	1826, 6.15E-10 (8 0.0)
1800, 6.23E-10 (8 0.0)	1805, 6.41E-10 (8 0.0)	1810, 6.36E-10 (8 0.0)	1815, 5.86E-10 (8 0.0)
1825, 6.09E-10 (8 0.0)	1830, 5.81E-10 (8 0.0)	1835, 6.01E-10 (8 0.0)	1840, 6.47E-10 (8 0.0)
1850, 5.74E-10 (8 0.0)	1855, 5.34E-10 (8 0.0)	1860, 5.55E-10 (8 0.0)	1865, 5.91E-10 (8 0.0)
1875, 5.66E-10 (8 0.0)	1880, 5.11E-10 (8 0.0)	1885, 5.29E-10 (8 0.0)	1890, 5.33E-10 (8 0.0)
1900, 5.39E-10 (7 0.0)	1905, 5.46E-10 (7 0.0)	1910, 6.04E-10 (7 0.0)	1915, 6.25E-10 (7 0.0)
1925, 5.31E-10 (7 0.0)	1930, 5.11E-10 (7 0.0)	1935, 5.29E-10 (7 0.0)	1940, 5.72E-10 (7 0.0)
1950, 5.47E-10 (7 0.0)	1955, 5.43E-10 (7 0.0)	1960, 5.32E-10 (7 0.0)	1965, 5.15E-10 (7 0.0)
1975, 5.12E-10 (7 0.0)	1980, 5.05E-10 (7 0.0)	1985, 5.05E-10 (7 0.0)	1990, 5.02E-10 (7 0.0)
2000, 4.87E-10 (7 0.0)	2005, 4.85E-10 (7 0.0)	2010, 4.95E-10 (7 0.0)	2015, 4.98E-10 (6 0.0)
2025, 5.21E-10 (6 0.0)	2030, 5.03E-10 (6 0.0)	2035, 4.94E-10 (6 0.0)	2040, 4.81E-10 (6 0.0)
2050, 4.79E-10 (6 0.0)	2055, 4.89E-10 (6 0.0)	2060, 4.81E-10 (6 0.0)	2065, 4.63E-10 (6 0.0)
2075, 4.61E-10 (6 0.0)	2080, 4.56E-10 (6 0.0)	2085, 4.53E-10 (6 0.0)	2090, 4.50E-10 (6 0.0)
2100, 4.80E-10 (5 0.0)	2105, 4.65E-10 (5 0.0)	2110, 4.67E-10 (5 0.0)	2115, 4.92E-10 (5 0.0)
2125, 4.83E-10 (5 0.0)	2130, 4.53E-10 (5 0.0)	2135, 4.81E-10 (5 0.0)	2140E, 5.21E-10 (5 0.0)
2150E, 5.09E-10 (4 0.0)	2155E, 5.08E-10 (4 0.0)	2160E, 5.00E-10 (4 0.0)	2165E, 4.92E-10 (4 0.0)
2175E, 5.08E-10 (4 0.0)	2180E, 4.93E-10 (4 0.0)	2185E, 4.71E-10 (4 0.0)	2190E, 4.72E-10 (4 0.0)
2200E, 5.00E-10 (4 0.0)	2205E, 4.96E-10 (4 0.0)	2210E, 4.92E-10 (4 0.0)	2215E, 4.84E-10 (4 0.0)
2225E, 5.06E-10 (4 0.0)	2230E, 5.31E-10 (4 0.0)	2235E, 5.49E-10 (4 0.0)	2240E, 5.47E-10 (4 0.0)
2250E, 5.01E-10 (4 0.0)	2255E, 4.91E-10 (4 0.0)	2260E, 4.67E-10 (4 0.0)	2265E, 4.36E-10 (4 0.0)
2275E, 4.64E-10 (4 0.0)	2280E, 4.82E-10 (4 0.0)	2285E, 4.62E-10 (4 0.0)	2290E, 4.41E-10 (4 0.0)
2300E, 4.82E-10 (4 0.0)	2305E, 4.94E-10 (3 0.0)	2310E, 4.79E-10 (3 0.0)	2315E, 4.56E-10 (3 0.0)
2300E, 4.79E-10 (4 0.0)	2310E, 4.78E-10 (4 0.0)	2320E, 4.51E-10 (4 0.0)	2330E, 4.48E-10 (4 0.0)
2350E, 4.61E-10 (3 0.0)	2360E, 4.32E-10 (3 0.0)	2370E, 4.04E-10 (3 0.0)	2380E, 4.18E-10 (3 0.0)
2400E, 4.07E-10 (3 0.0)	2410E, 3.90E-10 (3 0.0)	2420E, 4.07E-10 (3 0.0)	2430E, 4.17E-10 (3 0.0)
2450E, 4.39E-10 (3 0.0)	2460E, 4.30E-10 (3 0.0)	2470E, 4.21E-10 (3 0.0)	2480E, 4.24E-10 (3 0.0)
2500E, 4.24E-10 (3 0.0)	2510E, 4.31E-10 (3 0.0)	2520E, 4.30E-10 (3 0.0)	2530E, 4.39E-10 (3 0.0)
2550E, 4.94E-10 (2 0.0)	2560E, 5.04E-10 (2 0.0)	2570E, 5.02E-10 (2 0.0)	2580E, 5.37E-10 (2 0.0)
2600E, 5.68E-10 (2 0.0)	2610E, 5.47E-10 (2 0.0)	2620E, 5.26E-10 (2 0.0)	2630E, 5.04E-10 (2 0.0)
2650E, 5.00E-10 (2 0.0)	2660E, 5.13E-10 (2 0.0)	2670E, 5.10E-10 (2 0.0)	2680E, 4.98E-10 (2 0.0)
2700E, 5.11E-10 (2 0.0)	2710E, 5.25E-10 (2 0.0)	2720E, 5.23E-10 (2 0.0)	2730E, 5.02E-10 (2 0.0)
2750E, 4.83E-10 (2 0.0)	2760E, 4.96E-10 (2 0.0)	2770E, 5.10E-10 (2 0.0)	2780E, 5.08E-10 (2 0.0)
2800E, 4.47E-10 (2 0.0)	2810E, 4.24E-10 (2 0.0)	2820E, 4.17E-10 (2 0.0)	2830E, 4.12E-10 (2 0.0)
2850E, 4.13E-10 (2 0.0)	2860E, 4.31E-10 (1 0.0)	2870E, 4.59E-10 (2 0.0)	2880E, 4.86E-10 (1 0.0)
2900E, 5.07E-10 (1 0.0)	2910E, 5.03E-10 (1 0.0)	2920E, 4.95E-10 (1 0.0)	2930E, 4.91E-10 (1 0.0)
2950E, 5.13E-10 (1 0.0)	2960E, 5.17E-10 (1 0.0)	2970E, 5.11E-10 (1 0.0)	2980E, 5.06E-10 (1 0.0)
2990E, 5.12E-10 (1 0.0)			
135, 0.00(0.0 0.0)	139, 0.00(0.0 0.0)	148, 0.00(0.0 0.0)	154, 0.00(0.0 0.0)
166, 1.79(.9 0.0)	172, 1.93(.9 0.0)	181, 1.96(.8 0.0)	192, 2.05(.7 0.0)
219E, 2.17(.4 0.0)	245E, 2.28(.3 0.0)	280, 0.00(0.0 0.0)	360, 0.00(0.0 0.0)
			161, 1.68(.9 0.0)
			204, 2.19(.6 0.0)
			0, 0.00(0.0 0.0)

X,Y(MM) -16.1 -16.9 SL3- 41 21 SCANS, T= 227 MU LUP WT 1.0,SCALE 1.00

R = 0.50:

LAMBDA, F (WT, SIG)				F = AVE FLUX FROM LAM-DEL/2 TO LAM-DEL/2															
1490.0	1.54E-10	4	0	1492.1	1.54E-10	4	0	1494.0	1.28E-10	4	0	1496.0	1.06E-10	4	0	1498.1	1.38E-10	4	0
1500.0	1.35E-10	4	0	1502.1	1.42E-10	5	0	1504.1	1.37E-10	5	0	1506.1	1.50E-10	5	0	1508.1	1.40E-10	5	0
1510.0	1.37E-10	4	0	1512.0	1.02E-10	3	0	1514.0	1.01E-10	3	0	1516.1	1.23E-10	4	0	1518.1	1.45E-10	4	0
1520.1	1.55E-10	6	0	1522.1	1.33E-10	6	0	1524.1	1.27E-10	5	0	1526.0	1.11E-10	4	0	1528.0	1.11E-10	4	0
1530.0	1.04E-10	3	0	1532.0	8.09E-11	4	0	1534.1	1.05E-10	3	0	1536.0	9.01E-11	3	0	1538.0	7.40E-11	4	0
1540.1	1.06E-10	3	0	1542.9	9.35E-11	4	0	1544.0	8.43E-11	4	0	1546.0	9.70E-11	4	0	1548.1	1.00E-10	4	0
1550.0	7.98E-11	4	0	1552.0	7.52E-11	3	0	1554.0	5.41E-11	2	0	1556.0	5.45E-11	2	0	1558.0	7.52E-11	3	0
1560.9	9.19E-11	4	0	1562.9	7.35E-11	4	0	1564.0	6.61E-11	4	0	1566.0	8.20E-11	4	0	1568.0	8.66E-11	5	0
1570.1	1.14E-10	5	0	1572.9	9.52E-11	6	0	1574.9	9.87E-11	5	0	1576.9	9.41E-11	5	0	1578.9	8.66E-11	5	0
1580.9	9.41E-11	5	0	1582.9	9.06E-11	5	0	1584.9	8.89E-11	6	0	1586.9	9.75E-11	6	0	1588.9	9.64E-11	6	0
1590.9	8.15E-11	5	0	1592.9	7.63E-11	5	0	1594.9	8.03E-11	5	0	1596.9	8.89E-11	6	0	1598.9	9.18E-11	6	0
1600.9	9.01E-11	6	0	1602.9	8.61E-11	5	0	1604.9	7.57E-11	4	0	1606.0	6.02E-11	3	0	1608.0	5.59E-11	3	0
1610.0	5.62E-11	3	0	1612.0	7.06E-11	4	0	1614.0	8.89E-11	6	0	1616.0	9.12E-11	6	0	1618.0	8.03E-11	6	0
1620.0	7.34E-11	5	0	1622.9	7.40E-11	5	0	1624.9	8.09E-11	6	0	1626.9	9.64E-11	6	0	1628.9	9.47E-11	6	0
1630.9	7.44E-11	5	0	1632.9	7.04E-11	5	0	1634.9	6.34E-11	4	0	1636.9	4.00E-11	3	0	1638.9	1.35E-11	3	0
1640.9	8.83E-11	7	0	1642.9	9.52E-11	7	0	1644.9	9.18E-11	9	0	1646.9	7.92E-11	6	0	1648.9	7.46E-11	6	0
1650.9	7.34E-11	6	0	1652.9	7.80E-11	6	0	1654.9	8.03E-11	6	0	1656.9	7.97E-11	6	0	1658.9	8.15E-11	7	0
1660.9	8.43E-11	7	0	1662.9	8.78E-11	7	0	1664.9	8.78E-11	7	0	1666.9	8.38E-11	7	0	1668.9	8.15E-11	8	0
1670.9	8.61E-11	8	0	1672.9	9.52E-11	9	0	1674.9	9.75E-11	9	0	1676.9	8.89E-11	9	0	1678.9	7.74E-11	7	0
1680.9	6.88E-11	7	0	1682.9	7.69E-11	7	0	1684.9	8.89E-11	9	0	1686.9	9.06E-11	9	0	1688.9	9.24E-11	9	0
1690.9	6.78E-11	9	0	1692.9	7.92E-11	8	0	1694.9	7.69E-11	8	0	1696.9	8.26E-11	9	0	1698.9	8.83E-11	9	0
1700.9	8.81E-11	9	0	1702.9	6.54E-11	8	0	1704.9	8.80E-11	8	0	1706.9	4.46E-11	9	0	1708.9	8.17E-11		

$$R = 0.66:$$

LAMBDA F ( WT. SIG)			F = AVE FLUX FROM LAM-DEL/2 TO LAM+DEL/2			LAMBDA F ( WT. SIG)			F = AVE FLUX FROM LAM-DEL/2 TO LAM+DEL/2			LAMBDA F ( WT. SIG)			F = AVE FLUX FROM LAM-DEL/2 TO LAM+DEL/2			LAMBDA F ( WT. SIG)			F = AVE FLUX FROM LAM-DEL/2 TO LAM+DEL/2																																																																																																																																																																																																																																																																																																																																		
13700	5.54E-10	(.3 0.0)	13720	5.95E-10	(.3 0.0)	13740	5.36E-10	(.3 0.0)	13760	4.95E-10	(.3 0.0)	13780	5.20E-10	(.3 0.0)	13800	5.03E-10	(.3 0.0)	13820	5.38E-10	(.3 0.0)	13840	4.18E-10	(.2 0.0)	13860	4.15E-10	(.2 0.0)	13880	3.63E-10	(.2 0.0)	13900	3.22E-10	(.1 0.0)	13920	2.38E-10	(.1 0.0)	13940	1.63E-10	(.1 0.0)	13960	2.50E-10	(.1 0.0)	13980	2.42E-10	(.1 0.0)	14000	1.96E-10	(.1 0.0)	14020	3.37E-10	(.2 0.0)	14040	3.81E-10	(.3 0.0)	14060	3.82E-10	(.3 0.0)	14080	2.90E-10	(.3 0.0)	14100	3.81E-10	(.3 0.0)	14120	3.93E-10	(.3 0.0)	14140	3.65E-10	(.4 0.0)	14160	3.70E-10	(.3 0.0)	14180	2.95E-10	(.3 0.0)	14200	3.22E-10	(.3 0.0)	14220	3.88E-10	(.4 0.0)	14240	4.31E-10	(.5 0.0)	14260	3.88E-10	(.5 0.0)	14280	3.59E-10	(.5 0.0)	14300	3.22E-10	(.6 0.0)	14320	3.66E-10	(.6 0.0)	14340	3.90E-10	(.7 0.0)	14360	4.05E-10	(.7 0.0)	14380	4.00E-10	(.6 0.0)	14400	3.47E-10	(.6 0.0)	14420	4.47E-10	(.6 0.0)	14440	3.40E-10	(.6 0.0)	14460	3.99E-10	(.6 0.0)	14480	3.89E-10	(.6 0.0)	14500	3.87E-10	(.7 0.0)	14520	3.97E-10	(.7 0.0)	14540	3.50E-10	(.6 0.0)	14560	3.50E-10	(.6 0.0)	14580	3.31E-10	(.6 0.0)	14600	2.58E-10	(.6 0.0)	14620	3.07E-10	(.6 0.0)	14640	3.36E-10	(.7 0.0)	14660	3.35E-10	(.9 3.5)	14680	3.82E-10	(.9 4.6)	14700	2.95E-10	(.7 9.9)	14720	2.36E-10	(.7 4.9)	14740	3.11E-10	(.8 2.1)	14760	3.50E-10	(.9 1.6)	14780	3.61E-10	(.9 3.3)	14800	3.09E-10	(.9 7.8)	14820	3.35E-10	(.9 3.9)	14840	3.32E-10	(.9 1.4)	14860	3.35E-10	(.9 3.5)	14880	3.37E-10	(.9 1.5)	14900	3.75E-10	(.9 8.5)	14920	3.75E-10	(.9 6.6)	14940	3.44E-10	(.9 7.8)	14960	3.19E-10	(.9 1.5)	14980	3.34E-10	(.9 9.9)	15000	3.49E-10	(.9 14.1)	15020	3.43E-10	(.9 3.1)	15040	3.24E-10	(.9 11.6)	15060	3.27E-10	(.9 9.9)	15080	3.31E-10	(.9 10.1)	15100	3.15E-10	(.9 1.4)	15120	2.93E-10	(.9 2.8)	15140	2.98E-10	(.9 6.1)	15160	3.16E-10	(.9 1.3)	15180	2.99E-10	(.9 1.7)	15200	3.15E-10	(.9 1.1)	15220	3.22E-10	(.9 1.7)	15240	3.22E-10	(.9 1.7)	15260	2.83E-10	(.9 1.1)	15280	2.97E-10	(.9 1.5)	15300	3.09E-10	(.9 1.2)	15320	2.88E-10	(.9 1.0)	15340	2.80E-10	(.9 1.5)	15360	2.78E-10	(.9 1.6)	15380	2.78E-10	(.9 1.6)	15400	2.62E-10	(.9 3.0)	15420	2.80E-10	(.9 5.0)	15440	2.76E-10	(.9 3.6)	15460	2.66E-10	(.9 1.9)	15480	2.89E-10	(.9 4.0)	15500	3.07E-10	(.9 16.5)	15520	2.87E-10	(.9 9.4)	15540	2.69E-10	(.9 2.1)	15560	2.66E-10	(.9 1.9)	15580	2.38E-10	(.9 10.3)	15600	2.46E-10	(.9 8.0)	15620	2.67E-10	(.9 4.0)	15640	2.69E-10	(.9 8.9)	15660	2.78E-10	(.9 14.2)	15680	2.88E-10	(.9 14.2)	15700	2.77E-10	(.9 10.0)	15720	2.90E-10	(.9 14.6)	15740	2.89E-10	(.9 9.4)	15760	2.86E-10	(.9 6.6)	15780	2.93E-10	(.9 15.6)	15800	2.95E-10	(.9 11.7)	15820	2.98E-10	(.9 12.2)	15840	2.98E-10	(.9 12.2)	15860	2.98E-10	(.9 12.2)	15880	2.98E-10	(.9 12.2)	15900	2.98E-10	(.9 12.2)	15920	2.98E-10	(.9 12.2)	15940	2.98E-10	(.9 12.2)	15960	2.98E-10	(.9 12.2)	15980	2.98E

R = <0.85>

LAMBDA, F (WT, SIG)			F = AVE FLUX FROM LAM-DEL/2 TO LAM-DEL/2		
1310	3.56E-09(1.7 2)	1312	3.99E-09(1.7 17.5)	1314	4.15E-09(1.7 21.2)
1320	4.36E-09(1.8 20.9)	1322	4.37E-09(1.8 16.8)	1324	4.10E-09(1.8 21.7)
1330	4.08E-09(1.8 21.7)	1332	4.20E-09(2.0 17.9)	1334	3.20E-09(1.8 26.3)
1340	4.60E-09(1.9 7.1)	1342	3.99E-09(1.8 8.0)	1344	4.31E-09(1.8 12.1)
1350	3.88E-09(1.8 3.7)	1352	4.10E-09(1.8 5.6)	1354	3.99E-09(1.8 4.4)
1360	3.93E-09(1.7 3.2)	1362	3.62E-09(1.7 4.3)	1364	3.64E-09(1.7 5.3)
1370	4.03E-09(1.7 2.5)	1372	4.13E-09(1.7 2.4)	1374	3.76E-09(1.7 1.1)
1380	3.61E-09(1.7 1.1)	1382	3.81E-09(1.7 3.1)	1384	2.68E-09(1.7 2.4)
1390	3.22E-09(1.6 1.9)	1392	3.46E-09(1.7 5.7)	1394	2.77E-09(1.7 9.5)
1400	3.85E-09(1.6 4)	1402	3.49E-09(1.6 6.2)	1404	3.26E-09(1.6 1.5)
1410	3.89E-09(1.5 2.1)	1412	4.21E-09(1.5 3.9)	1414	4.04E-09(1.5 .8)
1420	4.06E-09(1.5 4.2)	1422	3.97E-09(1.4 1.7)	1424	4.16E-09(1.4 4.8)
1430	4.14E-09(1.4 5.5)	1432	4.19E-09(1.4 1.5)	1434	3.98E-09(1.4 1.1)
1440	4.53E-09(1.3 6.1)	1442	4.56E-09(1.3 4.6)	1444	4.71E-09(1.3 4.8)
1450	4.59E-09(1.3 5.0)	1452	4.39E-09(1.3 5.7)	1454	4.55E-09(1.3 2.4)
1460	4.28E-09(1.3 4.2)	1462	3.28E-09(1.3 9.2)	1464	3.99E-09(1.2 7.3)
1470	4.04E-09(1.3 1.2)	1472	4.23E-09(1.3 3.7)	1474	4.26E-09(1.3 5.2)
1480	4.40E-09(1.3 5)	1482	4.20E-09(1.2 1.2)	1484	4.19E-09(1.2 1.9)
1490	4.43E-09(1.2 5.0)	1492	4.26E-09(1.2 5.3)	1494	4.04E-09(1.2 2.2)
1500	3.97E-09(1.2 3)	1502	3.82E-09(1.2 3.0)	1504	3.79E-09(1.2 1.3)
1510	3.97E-09(1.1 3)	1512	3.68E-09(1.1 4)	1514	3.53E-09(1.2 3.9)
1520	3.26E-09(1.1 11.5)	1522	3.46E-09(1.1 10.1)	1524	3.95E-09(1.1 3.4)
1530	3.19E-09(1.1 7.6)	1532	3.32E-09(1.1 1.7)	1534	3.23E-09(1.1 5.1)
1540	3.25E-09(1.1 1)	1542	3.29E-09(1.1 3)	1544	3.12E-09(1.1 4.1)
1550	3.26E-09(1.0 5.1)	1552	3.30E-09(1.0 2.7)	1554	3.18E-09(1.0 4.1)
1560	3.18E-09(1.0 2.3)	1562	3.14E-09(1.0 2.1)	1564	3.14E-09(1.0 4.1)
1570E	3.10E-09(1.0 4.8)	1572E	3.18E-09( .9 4.6)	1574E	3.16E-09( .9 1.8)
1580E	3.38E-09( .9 2.0)	1582E	3.20E-09( .9 2.5)	1584E	3.15E-09( .8 8)
1590E	3.43E-09( .8 1.0)	1592E	3.42E-09( .8 1.4)	1594E	3.40E-09( .8 7)
1600E	3.19E-09( .8 2.4)	1602E	3.27E-09( .8 1.3)	1604E	3.28E-09( .8 1.3)
1610E	3.28E-09( .8 1.6)	1612E	3.16E-09( .8 1.6)	1614E	3.18E-09( .8 2.2)
1620E	3.56E-09( .7 4.6)	1622E	3.71E-09( .7 5.0)	1624E	3.58E-09( .7 3.7)
1630E	3.49E-09( .7 2.3)	1632E	3.39E-09( .7 1.3)	1634E	3.21E-09( .7 3.1)
1640E	3.62E-09( .6 3.1)	1642E	3.79E-09( .6 5.0)	1644E	3.78E-09( .6 1.6)
1650E	3.58E-09( .6 3.5)	1652E	3.72E-09( .6 4.1)	1654E	3.81E-09( .6 5.6)
1660E	4.18E-09( .5 6.5)	1662E	4.23E-09( .5 7.2)	1664E	4.16E-09( .5 6.1)
1670E	4.19E-09( .5 2.8)	1672E	4.29E-09( .5 2.2)	1674E	4.24E-09( .5 1.7)
1680E	4.13E-09( .5 2)	1682E	4.23E-09( .5 1)	1684E	4.31E-09( .4 1)
1690E	4.48E-09( .4 1.2)	1692E	4.54E-09( .4 6)	1694E	4.74E-09( .4 0)
1700E	4.56E-09( .4 0)	1702E	4.39E-09( .4 0)	1704E	4.10E-09( .4 0)
1710E	4.16E-09( .4 0)	1712E	4.13E-09( .4 0)	1714E	4.18E-09( .4 0)
1720E	4.69E-09( .4 0)	1722E	4.53E-09( .4 0)	1724E	4.41E-09( .4 0)
1730E	3.70E-09( .4 0)	1732E	3.57E-09( .4 0)	1734E	3.79

 $R = 0.69$

R = 1.20

[illegible] $R = 0.63$

$$R = 0.56;$$







HR 5906

LAMBDA F ( WT. SIG.)				F = AVE FLUX FROM LAM-DEL/2 TO LAM-DEL/2				LAMBDA F ( WT. SIG.)				F = AVE FLUX FROM LAM-DEL/2 TO LAM-DEL/2							
1490U	2.59E-10	( 3	0.0)	1492U	2.74E-10	( 4	0.0)	1494U	2.70E-10	( 2	0.0)	1496U	2.48E-10	( 3	0.0)	1498U	2.11E-10	( 3	0.0)
1500U	1.87E-10	( 3	0.0)	1502U	1.95E-10	( 3	0.0)	1504U	1.73E-10	( 2	0.0)	1506U	2.20E-10	( 2	0.0)	1508U	2.24E-10	( 3	0.0)
1510U	2.24E-10	( 3	0.0)	1512U	1.87E-10	( 3	0.0)	1514U	1.85E-10	( 3	0.0)	1516U	2.18E-10	( 3	0.0)	1518U	2.16E-10	( 4	0.0)
1520U	2.27E-10	( 4	0.0)	1522U	2.23E-10	( 4	0.0)	1524U	1.95E-10	( 3	0.0)	1526U	1.80E-10	( 3	0.0)	1528U	1.93E-10	( 3	0.0)
1530U	2.15E-10	( 4	0.0)	1532U	2.09E-10	( 4	0.0)	1534U	1.86E-10	( 3	0.0)	1536U	1.83E-10	( 3	0.0)	1538U	2.10E-10	( 4	0.0)
1540U	2.90E-10	( 4	0.0)	1542U	1.87E-10	( 4	0.0)	1544U	2.12E-10	( 4	0.0)	1546U	2.09E-10	( 5	0.0)	1548U	2.18E-10	( 4	0.0)
1550U	2.08E-10	( 5	0.0)	1552U	1.84E-10	( 5	0.0)	1554U	2.05E-10	( 5	0.0)	1556U	2.05E-10	( 5	0.0)	1558U	2.16E-10	( 6	0.0)
1560U	2.12E-10	( 6	0.0)	1562U	2.22E-10	( 6	0.0)	1564U	2.04E-10	( 6	0.0)	1566U	2.04E-10	( 6	0.0)	1568U	2.15E-10	( 6	0.0)
1570U	2.11E-10	( 6	0.0)	1572U	1.98E-10	( 6	0.0)	1574U	1.90E-10	( 6	0.0)	1576U	2.00E-10	( 6	0.0)	1578U	2.11E-10	( 6	0.0)
1580U	1.95E-10	( 6	0.0)	1582U	1.74E-10	( 6	0.0)	1584U	1.76E-10	( 6	0.0)	1586U	1.94E-10	( 6	0.0)	1588U	2.01E-10	( 6	0.0)
1590U	1.87E-10	( 7	0.0)	1592U	1.94E-10	( 7	0.0)	1594U	2.07E-10	( 7	0.0)	1596U	2.08E-10	( 7	0.0)	1598U	1.95E-10	( 7	0.0)
1600U	1.98E-10	( 7	0.0)	1602U	2.07E-10	( 7	0.0)	1604U	2.02E-10	( 7	0.0)	1606U	2.00E-10	( 7	0.0)	1608U	2.07E-10	( 8	0.0)
1610U	2.14E-10	( 8	0.0)	1612U	2.11E-10	( 8	0.0)	1614U	2.00E-10	( 8	0.0)	1616U	2.05E-10	( 7	0.0)	1618U	2.06E-10	( 7	0.0)
1620U	2.06E-10	( 8	0.0)	1622U	2.08E-10	( 8	0.0)	1624U	2.12E-10	( 8	0.0)	1626U	2.06E-10	( 9	0.0)	1628U	2.06E-10	( 9	0.0)
1630U	1.36E-10	( 9	0.0)	1632U	1.61E-10	( 9	0.0)	1634U	1.35E-10	( 9	0.0)	1636U	1.40E-10	( 9	0.0)	1638U	1.40E-10	( 9	0.0)
1640U	2.15E-10	( 1.0	0.0)	1642U	1.20E-10	( 1.0	0.0)	1644U	2.23E-10	( 1.0	0.0)	1646U	2.12E-10	( 1.0	0.0)	1648U	2.05E-10	( 1.0	0.0)
1650U	2.15E-10	( 1.0	0.0)	1652U	2.12E-10	( 1.0	3.7)	1654U	2.07E-10	( 1.0	5.8)	1656U	2.03E-10	( 1.0	6.7)	1658U	2.01E-10	( 9	6.4)
1660U	1.98E-10	( 9	4.4)	1662U	1.90E-10	( 9	4.8)	1664U	1.92E-10	( 9	1.6)	1666U	1.96E-10	( 1.0	1.1)	1668U	1.88E-10	( 1.0	1.9)
1670U	1.82E-10	( 1.0	9)	1672U	1.75E-10	( 9	4.2)	1674U	1.70E-10	( 9	6.2)	1676U	1.72E-10	( 1.0	2.5)	1678U	1.73E-10	( 1.0	1.0)
1680U	1.79E-10	( 1.1	2.9)	1682U	1.95E-10	( 1.2	2.1)	1684U	1.93E-10	( 1.2	4.2)	1686U	1.77E-10	( 1.1	5.8)	1688U	1.65E-10	( 1.1	6.3)
1690U	1.68E-10	( 1.1	1.7)																

 $R = 0.76$

LAMDA, F	(W, SIG)	F = AVE FLUX	FROM LAM-DEL/2 TO LAM-DEL/2	LAM-DEL/2	F = AVE FLUX	FROM LAM-DEL/2 TO LAM-DEL/2	LAM-DEL/2	F = AVE FLUX	FROM LAM-DEL/2 TO LAM-DEL/2	LAM-DEL/2	
1520.0	0.0	0.0	1522.0	0.42E+01 (0.0)	1524.0	0.00E+00 (0.0)	1526.0	5.53E-10 (1.0)	0.0	1528.0	5.21E-10 (1.0)
1530.0	4.73E-10 (1.0)	0.0	1532.0	4.91E-10 (1.0)	1534.0	6.72E-10 (1.0)	1536.0	6.00E-10 (1.0)	0.0	1538.0	4.26E-10 (1.0)
1540.0	4.72E-10 (1.0)	0.0	1542.0	5.32E-10 (1.0)	1544.0	5.18E-10 (1.0)	1546.0	4.99E-10 (1.0)	0.0	1548.0	4.40E-10 (1.0)
1550.0	4.15E-10 (1.0)	0.0	1552.0	4.46E-10 (1.0)	1554.0	4.33E-10 (1.0)	1556.0	4.63E-10 (1.0)	0.0	1558.0	4.49E-10 (1.0)
1560.0	3.98E-10 (1.0)	0.0	1562.0	3.63E-10 (1.0)	1564.0	3.72E-10 (1.0)	1566.0	3.83E-10 (1.0)	4.6	1568.0	3.38E-10 (1.0)
1570.0	3.49E-10 (1.0)	7.5	1572.0	3.73E-10 (1.0)	9.8	1574.0	3.94E-10 (1.0)	9.8	1576.0	3.92E-10 (1.0)	12.6
1580.0	3.76E-10 (1.0)	13.7	1582.0	3.59E-10 (1.0)	13.5	1584.0	3.63E-10 (1.0)	15.2	1586.0	3.59E-10 (1.0)	15.2
1590.0	3.47E-10 (1.0)	16.8	1592.0	3.31E-10 (1.0)	15.9	1594.0	3.39E-10 (1.0)	17.8	1596.0	3.36E-10 (1.0)	18.5
1600.0	3.47E-10 (1.0)	20.1	1602.0	3.10E-10 (1.0)	20.1	1604.0	3.10E-10 (1.0)	22.2	1606.0	3.10E-10 (1.0)	22.7
1610.0	2.68E-10 (1.2)	19.4	1612.0	2.93E-10 (1.0)	20.1	1614.0	3.05E-10 (1.0)	19.7	1616.0	2.74E-10 (1.0)	19.7
1620.0	2.77E-10 (1.3)	17.1	1622.0	2.80E-10 (1.2)	20.7	1624.0	2.79E-10 (1.2)	22.6	1626.0	2.82E-10 (1.1)	25.2
1630.0	2.79E-10 (1.2)	20.1	1632.0	2.89E-10 (1.3)	22.8	1634.0	2.84E-10 (1.3)	23.4	1636.0	2.78E-10 (1.3)	18.2
1640.0	2.80E-10 (1.4)	18.9	1642.0	2.73E-10 (1.4)	13.3	1644.0	2.64E-10 (1.4)	15.6	1646.0	2.58E-10 (1.4)	11.5
1650.0	2.63E-10 (1.4)	11.1	1652.0	2.83E-10 (1.5)	12.1	1654.0	2.93E-10 (1.5)	12.2	1656.0	2.79E-10 (1.5)	11.8
1660.0	2.72E-10 (1.5)	9.6	1662.0	2.75E-10 (1.5)	9.5	1664.0	2.88E-10 (1.6)	9.2	1666.0	2.94E-10 (1.6)	8.0
1670.0	2.61E-10 (1.5)	9.9	1672.0	2.57E-10 (1.5)	8.1	1674.0	2.61E-10 (1.6)	6.6	1676.0	2.66E-10 (1.6)	5.4
1680.0	2.53E-10 (1.8)	8.0	1682.0	2.35E-10 (1.8)	9.2	1684.0	2.42E-10 (1.8)	9.7	1686.0	2.48E-10 (1.8)	9.7
1690.0	2.68E-10 (1.7)	1.8	1692.0	2.74E-10 (1.8)	1.8	1694.0	2.72E-10 (1.8)	4.8	1696.0	2.61E-10 (1.7)	1.7
1700.0	2.59E-10 (1.7)	3.3	1702.0	2.61E-10 (1.7)	6.6	1704.0	2.57E-10 (1.7)	9.1	1706.0	2.56E-10 (1.7)	9.3
1710.0	2.60E-10 (1.9)	4.9	1712.0	2.53E-10 (1.8)	7.9	1714.0	2.47E-10 (1.8)	10.5	1716.0	2.42E-10 (1.8)	9.3
1720.0	2.37E-10 (1.8)	8.7	1722.0	2.30E-10 (1.8)	5.7	1724.0	2.29E-10 (1.8)	7.0	1726.0	2.33E-10 (1.8)	8.0
1730.0	2.49E-10 (2.0)	6.9	1732.0	2.48E-10 (2.0)	6.1	1734.0	2.44E-10 (2.0)	3.0	1736.0	2.43E-10 (2.0)	3.2
1740.0	2.59E-10 (2.1)	2.6	1742.0	2.68E-10 (2.1)	3.5	1744.0	2.62E-10 (2.1)	6.5	1746.0	2.47E-10 (2.1)	10.5
1750.0	2.47E-10 (2.1)	5.5	1752.0	2.51E-10 (2.2)	4.4	1754.0	2.51E-10 (2.2)	1.1	1756.0	2.48E-10 (2.2)	3.6
1760.0	2.47E-10 (2.1)	6.2	1762.0	2.35E-10 (2.1)	3.0	1764.0	2.32E-10 (2.1)	0.0	1766.0	2.45E-10 (2.2)	2.2
1770.0	2.41E-10 (2.3)	3.7	1772.0	2.40E-10 (2.3)	1.9	1774.0	2.41E-10 (2.3)	3.2	1776.0	2.44E-	

P E 0 69

LAMBDA	F	(WT, SIG)	F = AVE FLUX FROM LAM-DEL/2 TO LAM+DEL/2	
1490U	1.25E-10	(.3 0.0)	1492U 1.30E-10 (.3 0.0)	
1500U	1.39E-10	(.3 0.0)	1502U 1.37E-10 (.3 0.0)	
1510U	1.46E-10	(.4 0.0)	1512U 1.40E-10 (.4 0.0)	
1520U	1.24E-10	(.3 0.0)	1522U 1.23E-10 (.3 0.0)	
1530U	1.22E-10	(.4 0.0)	1532U 1.11E-10 (.3 0.0)	
1540U	1.22E-10	(.4 0.0)	1542U 1.12E-10 (.4 0.0)	
1550	1.30E-10	(.5 0.0)	1552	1.29E-10 (.5 0.0)
1560U	1.11E-10	(.4 0.0)	1562U	9.69E-11 (.4 0.0)
1570U	9.87E-11	(.4 0.0)	1572U	9.25E-11 (.4 0.0)
1580U	9.87E-11	(.5 0.0)	1582U	9.25E-11 (.5 0.0)
1590	1.06E-10	(.6 0.0)	1592	1.09E-10 (.6 0.0)
1600	1.17E-10	(.7 0.0)	1602	1.16E-10 (.7 0.0)
1610	9.87E-11	(.6 0.0)	1612	9.69E-11 (.6 0.0)
1620	9.87E-11	(.6 0.0)	1622U	1.02E-10 (.6 0.0)
1630U	9.79E-11	(.6 10.3)	1632U	9.92E-11 (.7 2.3)
1640U	1.00E-10	(.7 25.5)	1642	1.12E-10 (.8 28.2)
1650U	9.91E-11	(.7 9.2)	1652U	9.53E-11 (.7 5.7)
1660U	9.46E-11	(.7 9.8)	1662U	8.96E-11 (.7 5.7)
1670U	9.22E-11	(.7 27.8)	1672U	8.50E-11 (.7 16.6)
1680U	8.83E-11	(.9 7.1)	1682	8.36E-11 (.9 7.1)
1690U	8.34E-11	(.9 7.0)	1692U	8.75E-11 (.9 10.8)
1700U	8.31E-11	(.10 3.1)	1702U	9.18E-11 (.11 3.2)
1710U	8.10E-11	(.9 8.4)	1712	8.60E-11 (.10 14.1)
1720U	7.54E-11	(.9 7.0)	1722U	7.53E-11 (.10 5.9)
1730	7.91E-11	(.12 6.5)	1732	8.06E-11 (.12 4.4)
1740	8.22E-11	(.12 9.2)	1742	8.22E-11 (.13 8.0)
1750	8.64E-11	(.12 3.4)	1752	1.26E-11 (.13 5.0)
1760	8.05E-11	(.12 4.4)	1762	7.79E-11 (.12 3.3)
1770	7.13E-11	(.12 2.6)	1772	6.96E-11 (.12 3.4)
1780	7.89E-11	(.14 17.9)	1782	8.40E-11 (.15 21.9)
1790	7.88E-11	(.16 19.9)	1792	7.73E-11 (.15 18.0)
1800	7.32E-11	(.15 14.2)	1802	7.50E-11 (.15 14.1)
1810	7.77E-11	(.15 10.0)	1812	7.47E-11 (.15 9.8)
1820	7.30E-11	(.15 7.5)	1822	7.44E-11 (.15 8.0)
1800	7.38E-11	(.15 14.4)	1805	7.81E-11 (.15 13.0)
1825	7.65E-11	(.16 12.9)	1830	7.67E-11 (.16 20.0)
1850	7.05E-11	(.17 15.6)	1855	7.16E-11 (.17 16.3)
1875	6.85E-11	(.17 13.9)	1880	6.74E-11 (.17 15.6)
1900	6.91E-11	(.18 17.0)	1905	6.76E-11 (.18 14.1)
1925	6.30E-11	(.18 12.3)	1930	5.98E-11 (.18 13.8)
1950	5.95E-11	(.18 14.2)	1955	5.73E-11 (.18 15.6)
1975	5.33E-11	(.17 5.5)	1980	5.31E-11 (.17 3.9)
2000	5.14E-11	(.19 16.3)	2005	5.35E-11 (.20 18.0)
2025	5.28E-11	(.20 15.1)	2030	5.10E-11 (.20 13.6)
2050	5.14E-11	(.20 14.9)	2055	5.12E-11 (.20 16.7)
2075	5.15E-11	(.20 14.8)	2080	5.13E-11 (.20 12.5)
2100	4.84E-11	(.22 9.7)	2105	4.90E-11 (.22 9.9)
2125	4.39E-11	(.20 9.2)	2130	4.54E-11 (.20 7.9)
2150	4.39E-11	(.20 7.1)	2155	4.42E-11 (.20 6.7)
2175	4.37E-11	(.19 4.7)	2180	4.40E-11 (.19 5.0)
2200	4.09E-11	(.19 8.1)	2205	4.16E-11 (.19 7.4)
2225	4.18E-11	(.19 7.3)	2230	4.18E-11 (.19 7.3)
2250	4.13E-11	(.19 4.2)	2255	4.14E-11 (.18 5.3)
2275	4.15E-11	(.18 2.6)	2280	4.17E-11 (.18 3.6)
2300	4.14E-11	(.18 2.2)	2305	4.16E-11 (.18 2.4)
2300	4.14E-11	(.18 2.5)	2310	4.16E-11 (.18 3.2)
2350	3.96E-11	(.18 1.3)	2360	3.98E-11 (.17 4.2)
2400	3.90E-11	(.17 3.3)	2410	4.04E-11 (.17 1.3)
2450	4.15E-11	(.16 5.5)	2460	4.12E-11 (.16 1.1)
2500	4.07E-11	(.16 1.2)	2510	4.13E-11 (.16 2.1)
2550	4.30E-11	(.15 4.9)	2560	4.24E-11 (.15 7.3)
2600	4.32E-11	(.15 10.5)	2610	4.33E-11 (.15 10.9)
2650	4.31E-11	(.15 11.3)	2660	4.33E-11 (.15 12.7)
2700	4.40E-11	(.14 11.1)	2710	4.42E-11 (.14 10.8)
2750	4.48E-11	(.14 14.5)	2760	4.48E-11 (.14 14.7)
2800	4.45E-11	(.13 16.8)	2810	4.47E-11 (.13 16.2)
2850	4.51E-11	(.13 16.6)	2860	4.47E-11 (.13 19.1)
2900	4.41E-11	(.12 17.9)	2910	4.42E-11 (.12 16.9)
2950	4.58E-11	(.11 15.4)	2960	4.60E-11 (.11 15.9)
3000	4.73E-11	(.11 15.9)	3010	4.76E-11 (.11 16.3)
3000	4.72E-11	(.11 15.8)	3020	4.75E-11 (.11 17.2)
3100	4.81E-11	(.10 17.2)	3120E	4.73E-11 (.10 19.9)
3200E	4.94E-11	(.9 25.2)	3220E	5.07E-11 (.9 27.6)
3300E	5.22E-11	(.8 28.6)	3320E	5.16E-11 (.8 29.8)
3400E	5.15E-11	(.8 20.9)	3420E	5.01E-11 (.8 21.9)
3500E	4.36E-11	(.8 20.3)	3520E	4.21E-11 (.9 19.6)
3600E	3.74E-11	(.9 27.9)	3620E	3.70E-11 (.9 28.5)
3700E	3.80E-11	(.9 20.7)	3720E	3.74E-11 (.9 18.6)
3800E	3.94E-11	(.9 16.7)	3820E	4.09E-11 (.9 17.7)
3900E	4.56E-11	(.8 18.2)	3920E	4.63E-11 (.8 18.0)
4000E	5.00E-11	(.8 17.9)	4020E	5.09E-11 (.8 18.2)
4100E	5.25E-11	(.9 19.6)	4120E	5.24E-11 (.9 19.2)
135	0.00(0.0 0.0)		139	0.00(0.0 0.0)
166U	3.99(1.8 10.0)		172	4.09(1.1 2.9)
219	4.82(1.9 6.3)		245	4.87(1.6 1.5)
X,Y(MM)	10.9 -3.6	SL3- 66	22 SCANS, T= 225: HR 5910	WT 1.0, SCALE .89
X,Y(MM)	10.9 -3.6	SL3- 67	19 SCANS, T= 77: HR 5910	WT 1.0, SCALE 1.13

LAMBDA	F	(WT. SIG)	(0.0 0.0)	1462. 0.	(0.0 0.0)	F = AVE FLUX FROM LAM-DEL/2 TO L'+HDEL/2	(0.0 0.0)	1464. 0.	(0.0 0.0)	1466U	2.9E-10( .3 .0)	1468U	1.74E-10( .2 .0)
1470U	1.44E-10( .2 .0)	1472U	1.40E-10( .1 .0)	1474U	1.30E-10( .2 .0)	1476U	1.82E-10( .2 .0)	1478U	2.06E-10( .3 .0)	1480U	1.77E-10( .3 .0)	1482U	1.93E-10( .3 .0)
1480U	1.77E-10( .3 .0)	1482U	1.94E-10( .3 .0)	1484U	1.81E-10( .3 .0)	1486U	1.64E-10( .3 .0)	1488U	1.93E-10( .3 .0)	1490U	1.83E-10( .3 .0)	1492U	1.69E-10( .3 .0)
1490U	1.83E-10( .3 .0)	1492U	1.69E-10( .3 .0)	1494U	1.80E-10( .3 .0)	1496U	1.79E-10( .3 .0)	1498U	1.72E-10( .3 .0)	1500U	1.54E-10( .3 .0)	1502U	1.64E-10( .3 .0)
1500U	1.54E-10( .3 .0)	1502U	1.64E-10( .3 .0)	1504U	1.57E-10( .3 .0)	1506U	1.82E-10( .3 .0)	1508U	1.57E-10( .4 .0)	1510U	1.75E-10( .4 .0)	1512U	1.68E-10( .4 .0)
1510U	1.75E-10( .4 .0)	1512U	1.68E-10( .4 .0)	1514U	1.75E-10( .4 .0)	1516U	1.68E-10( .4 .0)	1518U	1.50E-10( .4 .0)	1520U	1.82E-10( .4 .0)	1522U	1.52E-10( .4 .0)
1520U	1.82E-10( .4 .0)	1522U	1.52E-10( .4 .0)	1524U	1.66E-10( .4 .0)	1526U	1.62E-10( .4 .0)	1528U	1.54E-10( .4 .0)	1530U	1.76E-10( .5 .0)	1532U	1.79E-10( .5 .0)
1530U	1.76E-10( .5 .0)	1532U	1.79E-10( .5 .0)	1534U	1.64E-10( .5 .0)	1536U	1.62E-10( .5 .0)	1538U	1.54E-10( .5 .0)	1540U	1.43E-10( .4 .0)	1542U	1.61E-10( .5 .0)
1540U	1.43E-10( .4 .0)	1542U	1.61E-10( .5 .0)	1544U	1.37E-10( .5 .0)	1546U	1.67E-10( .6 .0)	1548U	1.56E-10( .6 .0)	1550U	1.57E-10( .5 .0)	1552U	1.40E-10( .5 .0)
1550U	1.57E-10( .5 .0)	1552U	1.40E-10( .5 .0)	1554U	1.37E-10( .5 .0)	1556U	1.55E-10( .5 .0)	1558U	1.52E-10( .6 .0)	1560U	1.44E-10( .6 .0)	1562U	1.57E-10( .6 .0)
1560U	1.44E-10( .6 .0)	1562U	1.57E-10( .6 .0)	1564U	1.48E-10( .6 .0)	1566U	1.38E-10( .6 .0)	1568U	1.35E-10( .6 .0)	1570U	1.45E-10( .6 .0)	1572U	1.40E-10( .6 .0)
1570U	1.45E-10( .6 .0)	1572U	1.40E-10( .6 .0)	1574U	1.40E-10( .6 .0)	1576U	1.39E-10( .6 .0)	1578U	1.40E-10( .6 .0)	1580U	1.42E-10( .6 .0)	1582U	1.44E-10( .6 .0)
1580U	1.42E-10( .6 .0)	1582U	1.44E-10( .6 .0)	1584U	1.38E-10( .6 .0)	1586U	1.40E-10( .6 .0)	1588U	1.45E-10( .6 .0)	1590U	1.59E-10( .6 .0)	1592U	1.28E-10( .6 .0)
1590U	1.59E-10( .6 .0)	1592U	1.28E-10( .6 .0)	1594U	1.28E-10( .6 .0)	1596U	1.37E-10( .6 .0)	1598U	1.35E-10( .6 .0)	1600U	1.27E-10( .6 .0)	1602U	1.28E-10( .6 .0)
1600U	1.27E-10( .6 .0)	1602U	1.28E-10( .6 .0)	1604U	1.28E-10( .6 .0)	1606U	1.13E-10( .6 .0)	1608U	1.29E-10( .6 .0)	1610U	1.14E-10( .5 .0)	1612U	1.06E-10( .5 .0)
1610U	1.14E-10( .5 .0)	1612U	1.06E-10( .5 .0)	1614U	1.00E-10( .4 .0)	1616U	0.98E-10( .4 .0)	1618U	1.01E-10( .5 .0)	1620U	1.18E-10( .6 .0)	1622U	1.20E-10( .6 .0)
1620U	1.18E-10( .6 .0)	1622U	1.20E-10( .6 .0)	1624U	1.08E-10( .6 .0)	1626U	1.08E-10( .6 .0)	1628U	1.07E-10( .6 .0)	1630U	1.03E-10( .6 .0)	1632U	1.08E-10( .6 .0)
1630U	1.03E-10( .6 .0)	1632U	1.08E-10( .6 .0)	1634U	1.09E-10( .6 .0)	1636U	1.14E-10( .6 .0)	1638U	1.20E-10( .6 .0)	1640U	1.16E-10( .7 .0)	1642U	1.19E-10( .7 .0)
1640U	1.16E-10( .7 .0)	1642U	1.19E-10( .7 .0)	1644U	1.23E-10( .7 .0)	1646U	1.26E-10( .7 .0)	1648U	1.21E-10( .7 .0)	1650U	1.17E-10( .7 .0)	1652U	1.23E-10( .7 .0)
1650U	1.17E-10( .7 .0)	1652U	1.23E-10( .7 .0)	1654U	1.27E-10( .7 .0)	1656U	1.17E-10( .7 .0)	1658U	1.10E-10( .7 .0)	1660U	1.24E-10( .7 .0)	1662U	1.26E-10( .7 .0)
1660U	1.24E-10( .7 .0)	1662U	1.26E-10( .7 .0)	1664U	1.27E-10( .7 .0)</								

**R = 0.87**

HD 142883

HR 5934

HD 142883

LAMBDA	F	(WT, SIG)	F = AVE FLUX	FROM LAM-DEL/2 TO LAM+DEL/2
1570, 0.0	(0.0 0.0)	1572, 0.0	(0.0 0.0)	1574, 6.96E-10(1.0 0.0)
1580, 7.34E-10(1.0 0.0)		1582, 7.25E-10(1.0 0.0)		1584, 6.95E-10(1.0 0.0)
1590, 6.94E-10(1.1 0.0)		1592, 6.87E-10(1.1 0.0)		1594, 6.26E-10(1.1 0.0)
1600, 5.51E-10(1.1 0.0)		1602, 5.23E-10(1.1 0.0)		1604, 4.95E-10(1.1 0.0)
1610, 4.57E-10(1.0 0.0)		1612, 4.39E-10(1.0 0.0)		1614, 4.18E-10(1.0 0.0)
1620, 4.72E-10(1.1 0.0)		1622, 5.25E-10(1.1 0.0)		1624, 5.81E-10(1.1 0.0)
1630, 5.44E-10(1.1 0.0)		1632, 5.00E-10(1.1 0.0)		1634, 4.91E-10(1.1 0.0)
1640, 5.36E-10(1.1 0.0)		1642, 5.04E-10(1.0 0.0)		1644, 4.68E-10(1.0 0.0)
1650, 3.86E-10(1.0 0.0)		1652, 4.06E-10(1.0 0.0)		1654, 4.26E-10(1.0 0.0)
1660, 3.91E-10(1.0 0.0)		1662, 4.07E-10(1.0 0.0)		1664, 3.37E-10(1.0 0.0)
1670, 3.19E-10(1.0 0.0)		1672, 2.77E-10(1.0 0.0)		1674, 2.59E-10(1.0 0.0)
1680, 3.67E-10(1.1 0.0)		1682, 3.85E-10(1.1 0.0)		1684, 3.46E-10(1.1 0.0)
1690, 3.17E-10(1.1 0.0)		1692, 3.19E-10(1.1 0.0)		1694, 3.11E-10(1.1 0.0)
1700, 3.14E-10(1.1 0.0)		1702, 2.69E-10(1.1 0.0)		1704, 2.59E-10(1.0 0.0)
1710, 3.40E-10(1.1 0.0)		1712, 3.62E-10(1.1 0.0)		1714, 3.38E-10(1.1 0.0)
1720, 2.66E-10(1.1 0.0)		1722, 2.43E-10(1.1 0.0)		1724, 2.48E-10(1.1 0.0)
1730, 2.70E-10(1.0 0.0)		1732, 2.73E-10(1.0 0.0)		1734, 2.87E-10(1.1 0.0)
1740, 2.85E-10(1.1 0.0)		1742, 2.65E-10(1.0 0.0)		1744, 2.40E-10(1.0 0.0)
1750, 2.60E-10(1.1 0.0)		1752, 2.57E-10(1.1 0.0)		1754, 2.55E-10(1.1 0.0)
1760, 2.65E-10(1.0 0.0)		1762, 2.42E-10(1.1 0.0)		1764, 2.28E-10(1.0 0.0)
1770, 1.94E-10(1.0 0.0)		1772, 1.83E-10(1.0 0.0)		1774, 1.89E-10(1.0 0.0)
1780, 2.27E-10(1.1 0.0)		1782, 2.26E-10(1.0 0.0)		1784, 2.46E-10(1.0 0.0)
1790, 2.11E-10(1.0 0.0)		1792, 2.28E-10(1.0 0.0)		1794, 2.55E-10(1.0 0.0)
1800, 2.97E-10(1.0 0.0)		1802, 2.95E-10(1.0 0.0)		1804, 2.88E-10(1.0 0.0)
1810, 2.54E-10(1.0 0.0)		1812, 2.71E-10(1.0 0.0)		1814, 2.82E-10(1.0 0.0)
1820, 2.51E-10(1.0 0.0)		1822, 2.65E-10(1.0 0.0)		1824, 2.75E-10(1.0 0.0)
1830, 2.79E-10(1.0 0.0)		1832, 2.30E-10(1.0 0.0)		1834, 1.91E-10(1.0 0.0)
1840, 2.05E-10(1.0 0.0)		1842, 2.03E-10(1.0 0.0)		1844, 2.03E-10(1.0 0.0)
1850, 1.80E-10(1.0 0.0)		1852, 1.55E-10(1.1 0.0)		1854, 1.57E-10(1.0 0.0)
1860, 1.49E-10(1.1 0.0)		1862, 1.95E-10(1.0 0.0)		1864, 2.19E-10(1.0 0.0)
1870, 1.75E-10(1.0 0.0)		1872, 2.02E-10(1.0 0.0)		1874, 2.22E-10(1.0 0.0)
1880, 1.95E-10(1.0 0.0)		1882, 1.81E-10(1.0 0.0)		1884, 1.67E-10(1.0 0.0)
1890, 2.18E-10(1.0 0.0)		1892, 1.52E-10(1.0 0.0)		1894, 1.37E-10(1.0 0.0)
1900, 2.13E-10(1.0 0.0)		1902, 1.64E-10(1.0 0.0)		1904, 1.48E-10(1.0 0.0)
1910, 1.89E-10(1.0 0.0)		1912, 1.34E-10(1.0 0.0)		1914, 1.26E-10(1.0 0.0)
1920, 1.43E-10(1.0 0.0)		1922, 1.16E-10(1.0 0.0)		1924, 1.19E-10(1.0 0.0)
1930, 1.66E-10(1.0 0.0)		1932, 1.23E-10(1.0 0.0)		1934, 1.35E-10(1.0 0.0)
1940, 1.41E-10(1.0 0.0)		1942, 1.29E-10(1.0 0.0)		1944, 1.37E-10(1.0 0.0)
1950, 1.10E-10(1.0 0.0)		1952, 1.25E-10(1.0 0.0)		1954, 1.37E-10(1.0 0.0)
1960, 1.26E-10(1.0 0.0)		1962, 1.30E-10(1.0 0.0)		1964, 1.17E-10(1.0 0.0)
1970, 1.30E-10(1.0 0.0)		1972, 1.18E-10(1.0 0.0)		1974, 1.11E-10(1.0 0.0)
1980, 1.08E-10(1.0 0.0)		1982, 1.10E-10(1.0 0.0)		1984, 1.01E-10(1.0 0.0)
1990, 1.08E-10(1.0 0.0)		1992, 1.11E-10(1.0 0.0)		1994, 9.31E-11(1.0 0.0)
2000, 8.96E-11(1.0 0.0)		2002, 8.94E-11(1.0 0.0)		2004, 9.69E-11(1.0 0.0)
2010, 9.60E-11(1.0 0.0)		2012, 9.59E-11(1.0 0.0)		2014, 1.00E-10(1.0 0.0)
2020, 1.04E-10(1.0 0.0)		2022, 1.04E-10(1.0 0.0)		2024, 1.00E-10(1.0 0.0)
2030, 1.02E-10(1.0 0.0)		2032, 1.06E-10(1.0 0.0)		2034, 1.12E-10(1.0 0.0)
2040, 0.00(0.0 0.0)		2042, 0.00(0.0 0.0)		2044, 2.07(1.1 0.0)
2050, 2.47(1.1 0.0)		2052, 2.77(1.1 0.0)		2054, 3.60(1.0 0.0)
2060, 3.83(1.9 0.0)		2062, 0.00(0.0 0.0)		2064, 0.00(0.0 0.0)

X,Y(MM) -18.1 8.0 SL3-105 22 SCANS, T= 233 HR 5934 WT 1.1, SCALE 1.00

R = 0.33:



LAMBDA, F ( W T, SIG) F = AVE FLUX FROM LAM-DEL/2 TO LAM-DEL/2  
 1310. 1.29E-09( .4 .0) 1312U 9.33E-10( .4 .0) 1314U 0.1E-10( .3 .0) 1316U 7.54E-10( .3 .0) 1318U 7.59E-10( .4 .0)  
 1320U 9.05E-10( .4 .0) 1322U 7.82E-10( .3 .0) 1324U 5.28E-10( .3 .0) 1326U 7.80E-10( .3 .0) 1328U 9.26E-10( .4 .0)  
 1330U 8.88E-10( .4 .0) 1332U 8.05E-10( .3 .0) 1334U 5.91E-10( .3 .0) 1336U 5.29E-10( .3 .0) 1338U 6.81E-10( .3 .0)  
 1340U 7.39E-10( .4 .0) 1342 8.03E-10( .5 .0) 1344U 7.25E-10( .5 .0) 1346U 6.83E-10( .4 .0) 1348U 6.10E-10( .4 .0)  
 1350U 6.08E-10( .3 .0) 1352U 4.95E-10( .3 .0) 1354U 5.95E-10( .3 .0) 1356U 5.62E-10( .4 .0) 1358U 5.47E-10( .4 .0)  
 1360U 5.71E-10( .4 .0) 1362U 5.53E-10( .4 .0) 1364U 5.09E-10( .3 .0) 1366U 2.65E-10( .2 .0) 1368U 3.21E-10( .1 .0)  
 1370U 3.3E-10( .2 .0) 1372U 4.13E-10( .3 .0) 1374U 4.58E-10( .3 .0) 1376U 4.40E-10( .4 .0) 1378 4.85E-10( .4 .0)  
 1380U 4.45E-10( .4 .0) 1382U 4.1E-10( .4 .0) 1384 4.80E-10( .5 .0) 1386 4.80E-10( .5 .0) 1388 4.92E-10( .6 .0)  
 1390 5.00E-10( .6 .0) 1392 4.47E-10( .6 .0) 1404 4.88E-10( .5 .0) 1406 4.46E-10( .7 .0) 1408 4.30E-10( .7 .0)  
 1400 4.44E-10( .6 .0) 1402 3.82E-10( .6 .0) 1404 4.48E-10( .6 .0) 1406 4.46E-10( .7 .0) 1408 4.30E-10( .7 .0)  
 1410 4.38E-10( .6 .0) 1412 3.80E-10( .6 .0) 1414 3.63E-10( .6 .0) 1416 3.86E-10( .6 .0) 1418 3.92E-10( .6 .0)  
 1420 3.59E-10( .7 .0) 1422 3.71E-10( .7 .0) 1424 3.57E-10( .7 .0) 1426 3.85E-10( .8 .0) 1428 3.93E-10( .8 .0)  
 1430 3.83E-10( .8 .0) 1432 3.58E-10( .8 .0) 1434 3.44E-10( .8 .0) 1436 3.97E-10( .9 .0) 1438 4.10E-10( .10 .0)  
 1440 4.22E-10( .10 .0) 1442 4.26E-10( .10 .0) 1444 4.30E-10( .10 .0) 1446 4.09E-10( .10 .0) 1448 4.29E-10( .10 .0)  
 1450 4.22E-10( .10 .0) 1452 3.84E-10( .10 .0) 1454 3.67E-10( .10 .0) 1456 3.87E-10( .10 .0) 1458 4.04E-10( .10 .0)  
 1460 4.08E-10( .1 .0) 1462 3.1E-10( .1 .0) 1464 2.89E-10( .1 .0) 1466 2.95E-10( .1 .0) 1468 2.77E-10( .1 .0)  
 1470 3.83E-10( .1 .0) 1472 3.88E-10( .1 .0) 1474 3.63E-10( .1 .0) 1476 3.82E-10( .1 .0) 1478 3.80E-10( .1 .0)  
 1480 4.01E-10( .1 .0) 1482 3.84E-10( .1 .0) 1484 3.86E-10( .1 .0) 1486 4.09E-10( .1 .0) 1488 4.24E-10( .1 .0)  
 1490 3.98E-10( .1 .0) 1492 3.86E-10( .1 .0) 1494 3.73E-10( .1 .0) 1496 3.66E-10( .1 .0) 1498 3.45E-10( .1 .0)  
 1500 3.45E-10( .1 .0) 1502 3.67E-10( .1 .0) 1504 3.54E-10( .1 .0) 1506 3.45E-10( .1 .0) 1508 3.83E-10( .1 .0)  
 1510 3.60E-10( .1 .0) 1512 3.44E-10( .1 .0) 1514 3.72E-10( .1 .0) 1516 3.91E-10( .1 .0) 1518 4.02E-10( .1 .0)  
 1520 3.82E-10( .1 .0) 1522 3.67E-10( .1 .0) 1524 3.49E-10( .1 .0) 1526 3.26E-10( .1 .0) 1528 3.05E-10( .1 .0)  
 1530 3.77E-10( .1 .0) 1532 3.21E-10( .1 .0) 1534 2.89E-10( .1 .0) 1536 2.95E-10( .1 .0) 1538 3.22E-10( .1 .0)  
 1540 3.19E-10( .1 .0) 1542 3.21E-10( .1 .0) 1544 3.42E-10( .1 .0) 1546 3.61E-10( .1 .0) 1548 3.44E-10( .1 .0)  
 1550 2.82E-10( .1 .0) 1552 3.11E-10( .1 .0) 1554 3.31E-10( .1 .0) 1556 2.97E-10( .1 .0) 1558 2.89E-10( .1 .0)  
 1560 3.17E-10( .1 .0) 1562 3.19E-10( .1 .0) 1564 3.03E-10( .1 .0) 1566 2.91E-10( .1 .0) 1568 2.93E-10( .1 .0)  
 1570 3.01E-10( .1 .0) 1572 3.11E-10( .1 .0) 1574 3.14E-10( .1 .0) 1576 3.15E-10( .1 .0) 1578 2.94E-10( .1 .0)  
 1580 2.90E-10( .1 .0) 1582 3.05E-10( .1 .0) 1584 3.07E-10( .1 .0) 1586 3.05E-10( .1 .0) 1588 3.13E-10( .1 .0)  
 1590 3.35E-10( .1 .0) 1592 3.44E-10( .1 .0) 1594 3.46E-10( .1 .0) 1596 3.48E-10( .1 .0) 1598 3.44E-10( .1 .0)  
 1600 3.77E-10( .1 .0) 1602 3.13E-10( .1 .0) 1604 3.06E-10( .1 .0) 1606 2.94E-10( .1 .0) 1608 2.79E-10( .1 .0)  
 1610 2.81E-10( .1 .0) 1612 1.88E-10( .1 .0) 1614 1.82E-10( .1 .0) 1616 1.82E-10( .1 .0) 1618 1.82E-10( .1 .0)  
 1620 2.79E-10( .1 .0) 1622 2.75E-10( .1 .0) 1624 2.79E-10( .1 .0) 1626 2.82E-10( .1 .0) 1628 2.80E-10( .1 .0)  
 1630 2.68E-10( .1 .0) 1632 2.54E-10( .1 .0) 1634 2.46E-10( .1 .0) 1636 2.49E-10( .1 .0) 1638 2.52E-10( .1 .0)  
 1640 2.61E-10( .1 .0) 1642 2.76E-10( .1 .0) 1644 2.80E-10( .1 .0) 1646 2.76E-10( .1 .0) 1648 2.72E-10( .1 .0)  
 1650 2.73E-10( .1 .0) 1652 2.77E-10( .1 .0) 1654 2.80E-10( .1 .0) 1656 2.78E-10( .1 .0) 1658 2.76E-10( .1 .0)  
 1660 2.81E-10( .1 .0) 1662 2.89E-10( .1 .0) 1664 2.98E-10( .1 .0) 1666 3.08E-10( .1 .0) 1668 3.09E-10( .1 .0)  
 1670 3.00E-10( .1 .0) 1672 2.90E-10( .1 .0) 1674 2.84E-10( .1 .0) 1676 2.81E-10( .1 .0) 1678 2.88E-10( .1 .0)  
 1680 3.32E-10( .1 .0) 1682 3.10E-10( .1 .0) 1684 3.07E-10( .1 .0) 1686 3.06E-10( .1 .0) 1688 3.11E-10( .1 .0)  
 1690 3.09E-10( .1 .0) 1692 2.75E-10( .

X, Y (MM)	1.6	4.2	SL3- 15	18 SCANS, T= 202	48 LIB	WT 1.0, SCALE .93
X, Y (MM)	1.6	4.2	SL3- 16	16 SCANS, T= 76	48 LIB	WT 1.0, SCALE 1.07

R = 1.26





LAMBDA	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F	( WT. SIG)	F</
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LAMBDA, F (WT, SIG)	F = AVE FLUX FROM LAM-DEL/2 TO LAM+DEL/2				
1550, 4.95E-10(.7 5.2)	1552, 5.28E-10(.7 2)	1554, 5.35E-10(.8 2.1)	1556, 5.61E-10(.9 5.6)	1558, 5.65E-10(.9 9.4)	
1560, 5.41E-10(1.0 3.5)	1562, 5.93E-10(1.0 7)	1564, 5.64E-10(1.1 4.4)	1566, 4.78E-10(.9 13.2)	1568, 4.84E-10(.8 29.1)	
1570, 4.79E-10(.8 23.5)	1572, 5.02E-10(.9 16.0)	1574, 5.47E-10(1.2 4.4)	1576, 5.27E-10(1.1 15.3)	1578, 5.18E-10(1.0 20.1)	
1580, 4.54E-10(1.0 23.2)	1582, 4.44E-10(1.0 26.1)	1584, 5.16E-10(1.1 29.3)	1586, 5.54E-10(1.3 15.4)	1588, 5.52E-10(1.3 6.2)	
1590, 5.56E-10(1.3 2.6)	1592, 5.76E-10(1.3 4.4)	1594, 5.82E-10(1.3 10.7)	1596, 5.69E-10(1.3 8.2)	1598, 5.53E-10(1.3 4.7)	
1600, 5.49E-10(1.3 3.6)	1602, 5.67E-10(1.3 2.4)	1604, 5.36E-10(1.3 2.2)	1606, 4.86E-10(1.3 5.0)	1608, 4.15E-10(1.3 1.1)	
1610, 3.50E-10(1.1 6.0)	1612, 3.14E-10(1.0 2.4)	1614, 2.92E-10(1.0 2.4)	1616, 3.29E-10(1.1 5.1)	1618, 3.68E-10(1.3 3.6)	
1620, 3.54E-10(1.1 25.1)	1622, 3.69E-10(1.1 20.0)	1624, 3.68E-10(1.1 15.4)	1626, 3.60E-10(1.1 23.1)	1628, 3.53E-10(1.2 18.4)	
1630, 3.67E-10(1.3 4.1)	1632, 3.92E-10(1.3 1.7)	1634, 3.72E-10(1.3 3.7)	1636, 3.90E-10(1.3 2.8)	1638, 4.05E-10(1.3 2.7)	
1640, 3.86E-10(1.2 2.5)	1642, 4.23E-10(1.2 1.5)	1644, 4.30E-10(1.2 6.1)	1646, 3.91E-10(1.3 7.7)	1648, 3.70E-10(1.3 6.0)	
1650, 3.81E-10(1.3 8)	1652, 3.61E-10(1.3 5.9)	1654, 3.26E-10(1.3 18.4)	1656, 3.37E-10(1.3 18.6)	1658, 3.64E-10(1.3 8.7)	
1660, 3.68E-10(1.2 4.0)	1662, 3.84E-10(1.2 6.4)	1664, 4.12E-10(1.2 5.5)	1666, 4.06E-10(1.2 1)	1668, 3.78E-10(1.2 3.6)	
1670, 3.69E-10(1.2 7.1)	1672, 3.84E-10(1.2 5.0)	1674, 3.94E-10(1.2 1.8)	1676, 3.93E-10(1.2 2.3)	1678, 4.04E-10(1.2 3.0)	
1680, 4.39E-10(1.2 7.2)	1682, 4.49E-10(1.2 11.0)	1684, 4.32E-10(1.2 9.2)	1686, 4.43E-10(1.2 4.7)	1688, 4.58E-10(1.1 2.9)	
1690, 4.52E-10(1.1 4.0)	1692, 4.68E-10(1.1 3.6)	1694, 4.92E-10(1.1 1.2)	1696, 4.93E-10(1.1 4.1)	1698, 4.79E-10(1.1 5.4)	
1700, 4.47E-10(1.1 1.9)	1702, 4.16E-10(1.1 1.3)	1704, 4.15E-10(1.1 1.5)	1706, 4.28E-10(1.1 1.5)	1708, 4.48E-10(1.1 1.0)	
1710, 4.49E-10(1.1 2.2)	1712, 4.30E-10(1.1 1.9)	1714, 4.15E-10(1.1 5.4)	1716, 4.12E-10(1.1 2.7)	1718, 4.22E-10(1.1 1.2)	
1720, 4.31E-10(1.1 1.1)	1722, 4.06E-10(1.1 8)	1724, 3.71E-10(1.1 2)	1726, 3.66E-10(1.1 1.0)	1728, 3.95E-10(1.1 5.6)	
1730, 4.26E-10(1.1 8.3)	1732, 4.16E-10(1.1 9.2)	1734, 3.89E-10(1.1 7.6)	1736, 3.76E-10(1.1 4.0)	1738, 3.82E-10(1.1 3.6)	
1740, 4.02E-10(1.0 6.0)	1742, 4.36E-10(1.0 6.1)	1744E 4.56E-10(1.0 5.9)	1746E 4.47E-10(1.0 6.6)	1748, 4.20E-10(1.0 9.3)	
1750, 3.96E-10(1.0 13.4)	1752, 3.87E-10(1.0 14.5)	1754, 3.86E-10(1.0 10.5)	1756, 3.98E-10(1.0 4.8)	1758E 4.18E-10(1.0 1)	
1760E 4.28E-10(1.0 3.2)	1762E 4.10E-10(1.0 1.3)	1764E 3.98E-10(1.0 1)	1766, 4.05E-10(1.0 2.5)	1768E 4.11E-10(1.0 7.4)	
1770E 4.19E-10(.9 10.1)	1772E 4.33E-10(.9 9.2)	1774E 4.44E-10(.9 7.8)	1776E 4.38E-10(.9 8.3)	1778E 4.20E-10(.9 9.4)	
1780E 4.06E-10(.9 6.7)	1782E 4.08E-10(.9 4.1)	1784E 4.13E-10(.9 3.4)	1786E 4.13E-10(.9 3.6)	1788E 4.11E-10(.9 2.8)	
1790E 4.17E-10(.9 3.0)	1792E 4.23E-10(.9 4.5)	1794E 4.20E-10(.8 5.6)	1796E 4.16E-10(.8 6.3)	1798E 4.16E-10(.8 5.3)	
1800E 4.21E-10(.8 5.8)	1802E 4.25E-10(.8 5.9)	1804E 4.26E-10(.8 5.4)	1806E 4.25E-10(.8 4.2)	1808E 4.34E-10(.8 8)	
1810E 4.45E-10(.7 1.6)	1812E 4.59E-10(.7 1.6)	1814E 4.61E-10(.7 1.1)	1816E 4.56E-10(.7 3)	1818E 4.48E-10(.7 2)	
1820E 4.38E-10(.7 2.1)	1822E 4.26E-10(.7 3.3)	1824E 4.19E-10(.7 2.9)	1826E 4.31E-10(.7 1.2)	0, 0, (10.0 0.0)	
1800E 4.18E-10(.8 6.1)	1805E 4.24E-10(.8 5.2)	1810E 4.47E-10(.8 1.4)	1815E 4.60E-10(.7 1.5)	1820E 4.34E-10(.7 2.1)	
1825E 4.24E-10(.7 1.5)	1830E 4.79E-10(.7 2.6)	1835E 5.00E-10(.7 6.4)	1840E 4.83E-10(.6 1.8)	1845E 4.91E-10(.6 4.0)	
1850E 4.87E-10(.6 1.7)	1855E 4.92E-10(.6 2.2)	1860E 4.70E-10(.6 2.4)	1865E 4.92E-10(.6 1)	1870E 4.83E-10(.6 5.4)	
1875E 4.52E-10(.6 9.5)	1880E 4.34E-10(.6 8.4)	1885E 4.30E-10(.6 6.2)	1890E 4.50E-10(.6 1)	1895E 4.79E-10(.5 1.2)	
1900E 5.05E-10(.5 1.9)	1905E 4.87E-10(.5 1.6)	1910E 4.76E-10(.5 2.0)	1915E 4.86E-10(.5 1.2)	1920E 4.62E-10(.5 1)	
1925E 4.30E-10(.5 1.4)	1930E 4.40E-10(.5 1.1)	1935E 4.31E-10(.5 1.4)	1940E 4.33E-10(.5 2.6)	1945E 4.66E-10(.5 3.2)	
1950E 4.81E-10(.5 3.2)	1955E 4.81E-10(.4 4.5)	1960E 4.90E-10(.4 3.4)	1965E 4.78E-10(.4 2.0)	1970E 4.64E-10(.4 1.2)	
1975E 4.62E-10(.4 2.4)	1980E 4.58E-10(.4 3.0)	1985E 4.51E-10(.4 3.6)	1990E 4.74E-10(.4 2.8)	1995E 4.70E-10(.4 1.7)	
2000E 4.64E-10(.3 2.6)	2005E 4.68E-10(.3 1.6)	2010E 4.59E-10(.3 2)	2015E 4.48E-10(.3 2.6)	2020E 4.33E-10(.3 2.7)	
2025E 4.44E-10(.3 1.3)	2030E 4.59E-10(.3 9)	2035E 4.62E-10(.3 2.6)	2040E 4.65E-10(.3 1.7)	2045E 4.70E-10(.3 1.6)	
2050E 4.65E-10(.3 9)	2055E 4.59E-10(.3 5)	2060E 4.68E-10(.2 2)	2065E 4.75E-10(.2 1)	2070E 4.90E-10(.2 1.6)	
2075E 4.98E-10(.2 1.7)	2080E 4.89E-10(.2 1.9)	2085E 4.82E-10(.2 2.2)	2090E 4.76E-10(.2 3.3)	2095E 4.97E-10(.2 6.3)	
2100E 4.99E-10(.2 7.5)	2105E 4.91E-10(.2 5.7)	2110E 4.84E-10(.2 2.6)	2115E 4.76E-10(.1 1.3)	2120E 4.83E-10(.1 1.8)	
135, 0.00(0.0 0.0)	139, 0.00(0.0 0.0)	148, 0.00(0.0 0.0)	154, 0.00(0.0 0.0)	161, 2.29(1.2 5.0)	
166, 2.39(1.2 4.3)	172, 2.34(1.1 4.1)	181E 2.30(.8 2.6)	192E 2.24(.5 1.4)	204E 2.22(.3 4.0)	
219, 0.00(0.0 0.0)	245, 0.00(0.0 0.0)	280, 0.00(0.0 0.0)	360, 0.00(0.0 0.0)	0, 0.00(0.0 0.0)	

X,Y(MM) 0.0 -5.6 SL3-114 25 SCANS, T= 236 HR 5967 WT 1.0, SCALE .98

X,Y(MM) 0.0 -5.6 SL3-115 19 SCANS, T= 80 HR 5967 WT 1.0, SCALE 1.01

R = 0.66

HD 144294

THT LUP

HD 144294

LAMBDA, F (WT, SIG) F = AVE FLUX FROM LAM-DEL/2 TO LAM+DEL/2

1480U	2.75E-09(.5 0.0)	1482U	2.60E-09(.5 0.0)	1484U	3.47E-09(.6 0.0)	1486U	3.17E-09(.7 0.0)	1488U	3.46E-09(.7 0.0)
1490U	3.26E-09(.7 0.0)	1492U	3.22E-09(.7 0.0)	1494U	2.76E-09(.6 0.0)	1496U	2.50E-09(.6 0.0)	1498U	2.78E-09(.7 0.0)
1500U	2.61E-09(.7 0.0)	1502U	2.66E-09(.7 0.0)	1504U	2.62E-09(.7 0.0)	1506U	2.30E-09(.6 0.0)	1508U	1.91E-09(.5 0.0)
1510U	1.71E-09(.5 0.0)	1512U	1.89E-09(.5 0.0)	1514U	2.04E-09(.5 0.0)	1516U	1.82E-09(.6 0.0)	1518U	2.19E-09(.6 0.0)
1520U	2.07E-09(.6 0.0)	1522U	1.90E-09(.7 0.0)	1524U	1.88E-09(.7 0.0)	1526U	1.94E-09(.7 0.0)	1528U	1.93E-09(.7 0.0)
1530U	1.69E-09(.7 0.0)	1532U	1.80E-09(.7 0.0)	1534U	1.64E-09(.6 0.0)	1536U	1.46E-09(.6 0.0)	1538U	1.50E-09(.5 0.0)
1540U	1.30E-09(.5 0.0)	1542U	1.35E-09(.6 0.0)	1544U	1.44E-09(.6 0.0)	1546U	1.31E-09(.6 0.0)	1548U	1.22E-09(.5 0.0)
1550U	9.42E-10(.4 0.0)	1552U	9.74E-10(.4 0.0)	1554U	8.68E-10(.4 0.0)	1556U	1.09E-09(.5 0.0)	1558U	1.31E-09(.6 0.0)
1560U	1.37E-09(.7 0.0)	1562U	1.38E-09(.8 0.0)	1564U	1.38E-09(.8 0.0)	1566U	1.41E-09(.8 0.0)	1568U	1.42E-09(.9 0.0)
1570U	1.33E-09(.8 0.0)	1572U	1.12E-09(.7 0.0)	1574U	1.02E-09(.6 0.0)	1576U	9.82E-10(.6 0.0)	1578U	9.65E-10(.6 0.0)
1580U	1.01E-09(.6 0.0)	1582U	1.06E-09(.8 0.0)	1584U	1.25E-09(1.0 0.0)	1586U	1.27E-09(1.0 0.0)	1588U	1.16E-09(.9 0.0)
1590U	1.28E-09(.9 0.0)	1592U	1.29E-09(1.0 0.0)	1594U	1.39E-09(1.0 0.0)	1596U	1.22E-09(1.0 0.0)	1598U	1.23E-09(1.0 0.0)
1600U	1.27E-09(1.0 0.0)	1602U	1.11E-09(1.0 0.0)	1604U	1.05E-09(1.0 0.0)	1606U	1.10E-09(1.0 0.0)	1608U	1.23E-09(1.0 0.0)
1610U	1.28E-09(1.0 0.0)	1612U	1.17E-09(1.0 0.0)	1614U	1.00E-09(1.0 0.0)	1616U	9.00E-10(.9 0.0)	1618U	9.40E-10(1.0 0.0)
1620U	1.14E-09(1.0 0.0)	1622U	1.28E-09(1.0 0.0)	1624U	1.26E-09(1.0 0.0)	1626U	1.31E-09(1.0 0.0)	1628U	1.38E-09(1.0 0.0)
1630U	1.39E-09(1.0 0.0)	1632U	1.40E-09(1.0 0.0)	1634U	1.44E-09(1.0 0.0)	1636U	1.35E-09(1.0 0.0)	1638U	1.30E-09(1.0 0.0)
1640U	1.34E-09(1.0 0.0)	1642U	1.33E-09(1.0 0.0)	1644U	1.32E-09(1.0 0.0)	1646U	1.43E-09(1.0 0.0)	1648U	1.56E-09(1.0 0.0)
1650U	1.57E-09(1.0 0.0)	1652U	1.50E-09(1.0 0.0)	1654U	1.43E-09(1.0 0.0)	1656U	1.41E-09(1.0 0.0)	1658U	1.45E-09(1.0 0.0)
1660U	1.49E-09(1.0 0.0)	1662U	1.42E-09(1.0 0.0)	1664U	1.39E-09(1.0 0.0)	1666U	1.36E-09(1.0 0.0)	1668U	1.32E-09(1.0 0.0)
1670U	1.30E-09(1.0 0.0)	1672U	1.33E-09(1.0 0.0)	1674U	1.46E-09(1.0 0.0)	1676U	1.48E-09(1.0 0.0)	1678U	1.41E-09(1.0 0.0)
1680U	1.41E-09(1.0 0.0)	1682U	1.42E-09(1.0 0.0)	1684U	1.38E-09(1.0 0.0)	1686U	1.36E-09(1.0 0.0)	1688U	1.38E-09(1.0 0.0)
1690U	1.39E-09(1.0 0.0)	1692U	1.40E-09(1.0 0.0)	1694U	1.38E-09(1.0 0.0)	1696U	1.36E-09(1.0 0.0)	1698U	1.37E-09(1.0 0.0)
1700U	1.37E-09(1.0 0.0)	1702U	1.37E-09(1.0 0.0)	1704U	1.40E-09(1.0 0.0)	1706U	1.45E-09(1.0 0.0)	1708U	1.49E-09(1.0 0.0)
1710U	1.51E-09(1.0 0.0)	1712U	1.48E-09(1.0 0.0)	1714U	1.38E-09(1.0 0.0)	1716U	1.33E-09(1.0 0.0)	1718U	1.36E-09(1.0 0.0)
1720U	1.41E-09(1.0 0.0)	1722U	1.45E-09(1.0 0.0)	1724U	1.44E-09(1.0 0.0)	1726U	1.38E-09(1.0 0.0)	1728U	1.35E-09(1.0 0.0)
1730U	1.37E-09(1.0 0.0)	1732U	1.36E-09(1.0 0.0)	1734U	1.35E-09(1.0 0.0)	1736U	1.32E-09(1.0 0.0)	1738U	1.29E-09(1.0 0.0)
1740U	1.30E-09(1.0 0.0)	1742U	1.42E-09(1.0 0.0)	1744U	1.45E-09(1.0 0.0)	1746U	1.43E-09(1.0 0.0)	1748U	1.43E-09(1.0 0.0)
1750U	1.34E-09(1.0 0.0)	1752U	1.38E-09(1.0 0.0)	1754U	1.42E-09(1.0 0.0)	1756U	1.44E-09(1.0 0.0)	1758U	1.42E-09(1.0 0.0)
1760U	1.42E-09(1.0 0.0)	1762U	1.39E-09(1.0 0.0)	1764U	1.36E-09(1.0 0.0)	1766U	1.29E-09(1.0 0.0)	1768U	1.22E-09(1.0 0.0)
1770U	1.21E-09(1.0 0.0)	1772U	1.27E-09(1.0 0.0)	1774U	1.37E-09(1.0 0.0)	1776U	1.42E-09(1.0 0.0)	1778U	1.42E-09(1.0 0.0)
1780U	1.41E-09(1.0 0.0)	1782U	1.40E-09(1.0 0.0)	1784U	1.39E-09(1.0 0.0)	1786U	1.38E-09(1.0 0.0)	1788U	1.36E-09(1.0 0.0)
1790U	1.35E-09(1.0 0.0)	1792U	1.34E-09(.9 0.0)	1794U	1.35E-09(.9 0.0)	1796U	1.36E-09(.9 0.0)	1798U	1.37E-09(.9 0.0)
1800U	1.48E-09(.9 0.0)	1802U	1.46E-09(.9 0.0)	1804U	1.48E-09(.9 0.0)	1806U	1.46E-09(.9 0.0)	1808U	1.44E-09(.9 0.0)
1810U	1.45E-09(.9 0.0)	1812U	1.46E-09(.9 0.0)	1814U	1.61E-09(.8 0.0)	1816U	1.61E-09(.8 0.0)	1818U	1.49E-09(.9 0.0)
1820U	1.50E-09(.8 0.0)	1822U	1.56E-09(.8 0.0)	1824U	1.61E-09(.8 0.0)	1826U	1.61E-09(.8 0.0)	1828U	0.0(0.0 0.0)
1800U	1.41E-09(.9 0.0)	1805U	1.46E-09(.9 0.0)	1810U	1.45E-09(.9 0.0)	1815U	1.48E-09(.9 0.0)	1820U	1.51E-09(.8 0.0)
1825U	1.61E-09(.8 0.0)	1830U	1.59E-09(.8 0.0)	1835U	1.59E-09(.8 0.0)	1840U	1.54E-09(.8 0.0)	1845U	1.44E-09(.8 0.0)
1850U	1.46E-09(.8 0.0)	1855U	1.42E-09(.8 0.0)	1860U	1.36E-09(.8 0.0)	1865U	1.33E-09(.8 0.0)	1870U	1.41E-09(.8 0.0)
1875U	1.48E-09(.8 0.0)	1880U	1.45E-09(.8 0.0)	1885U	1.38E-09(.8 0.0)	1890U	1.29E-09(.8 0.0)	1895U	1.30E-09(.8 0.0)
1900U	1.39E-09(.8 0.0)	1905U	1.32E-09(.8 0.0)	1910U	1.18E-09(.8 0.0)	1915U	1.28E-09(.8 0.0)	1920U	1.22E-09(.8 0.0)
1925U	1.20E-09(.8 0.0)	1930U	1.42E-09(.8 0.0)	1935U	1.18E-09(.8 0.0)	1940U	1.43E-09(.8 0.0)	1945U	1.13E-09(.8 0.0)
1950U	1.13E-09(.8 0.0)	1955U	1.18E-09(.8 0.0)	1960U	1.24E-09(.7 0.0)	1965U	1.26E-09(.7 0.0)	1970U	1.25E-09(.7 0.0)
1975U	1.32E-09(.7 0.0)	1980U	1.37E-09(.7 0.0)	1985U	1.32E-09(.7 0.0)	1990U	1.27E-09(.7 0.0)	1995U	1.27E-09(.7 0.0)
2000U	1.27E-09(.7 0.0)	2005U	1.24E-09(.6 0.0)	2010U	1.28E-09(.6 0.0)	2015U	1.30E-09(.6 0.0)	2020U	1.26E-09(.6 0.0)
2025U	1.22E-09(.6 0.0)	2030U	1.24E-09(.6 0.0)	2035U	1.29E-09(.6 0.0)	2040U	1.26E-09(.6 0.0)	2045U	1.24E-09(.6 0.0)
2050U	1.22E-09(.6 0.0)	2055U	1.22E-09(.6 0.0)	2060U	1.24E-09(.5 0.0)	2065U	1.24E-09(.5 0.0)	2070U	1.24E-09(.5 0.0)
2075U	1.27E-09(.5 0.0)	2080U	1.23E-09(.5 0.0)	2085U	1.24E-09(.5 0.0)	2090U	1.20E-09(.5 0.0)	2095U	1.18E-09(.5 0.0)
2100U	1.27E-09(.5 0.0)	2105U	1.46E-09(.4 0.0)	2110U	1.15E-09(.4 0.0)	2115U	1.15E-09(.4 0.0)	2120U	1.13E-09(.4 0.0)
2125U	1.25E-09(.4 0.0)	2130U	1.19E-09(.4 0.0)	2135U	1.21E-09(.4 0.0)	2140U	1.19E-09(.4 0.0)	2145U	1.18E-09(.4 0.0)
2150U	1.24E-09(.4 0.0)	2155U	1.31E-09(.4 0.0)	2160U	1.31E-09(.4 0.0)	2165U	1.27E-09(.4 0.0)	2170U	1.23E-09(.4 0.0)
2175U	1.19E-09(.4 0.0)	2180U	1.18E-09(.4 0.0)	2185U	1.17E-09(.4 0.0)	2190U	1.14E-09(.4 0.0)	2195U	1.14E-09(.4 0.0)
2200U	1.17E-09(.4 0.0)	2205U	1.17E-09(.4 0.0)	2210U	1.15E-09(.4 0.0)	2215U	1.13E-09(.4 0.0)	2220U	1.14E-09(.3 0.0)
2225U	1.14E-09(.3 0.0)	2230U	1.15E-09(.3 0.0)	2235U	1.17E-09(.3 0.0)	2240U	1.22E-09(.3 0.0)	2245U	1.26E-09(.3 0.0)
2250U	1.26E-09(.3 0.0)	2255U	1.25E-09(.3 0.0)	2260U	1.25E-09(.3 0.0)	2265U	1.22E-09(.3 0.0)	2270U	1.14E-09(.3 0.0)
2275U	1.05E-09(.3 0.0)	2280U	1.04E-09(.3 0.0)	2285U	1.10E-09(.3 0.0)	2290U	1.10E-09(.3 0.0)	2295U	1.09E-09(.3 0.0)
2300U	1.06E-09(.3 0.0)	2305U	1.03E-09(.3 0.0)	2310U	1.01E-09(.3 0.0)	2315U	9.99E-10(.3 0.0)	2320U	0.0(0.0 0.0)
2300U	1.06E-09(.3 0.0)	2310U	1.01E-09(.3 0.0)	2320U	9.90E-10(.3 0.0)	2330U	9.99E-10(.3 0.0)	2340U	9.89E-10(.3 0.0)
2350U	9.55E-10(.3 0.0)	2360U	1.01E-09(.3 0.0)	2370U	1.03E-09(.3 0.0)	2380U	9.55E-10(.3 0.0)	2390U	8.58E-10(.3 0.0)
2400U	7.75E-10(.3 0.0)	2410U	7.47E-10(.3 0.0)	2420U	7.44E-10(.3 0.0)	2430U	7.92E-10(.3 0.0)	2440U	8.57E-10(.3 0.0)
2450U	8.62E-10(.3 0.0)	2460U	8.57E-10(.3 0.0)	2470U	8.95E-10(.2 0.0)	2480U	9.00E-10(.2 0.0)	2490U	8.85E-10(.2 0.0)
2500U	8.85E-10(.2 0.0)	2510U	8.36E-10(.3 0.0)	2520U	7.49E-10(.3 0.0)	2530U	7.15E-10(.3 0.0)	2540U	7.19E-10(.3 0.0)
2550U	7.04E-10(.3 0.0)	2560U	6.79E-10(.3 0.0)	2570U	6.79E-10(.3 0.0)	2580U	6.00E-10(.3 0.0)	2590U	6.55E-10(.3 0.0)
2600U	6.29E-10(.3 0.0)	2610U	6.13E-10(.3 0.0)	2620U	6.12E-10(.3 0.0)	2630U	6.41E-10(.3 0.0)	2640U	6.87E-10(.2 0.0)
2650U	7.28E-10(.2 0.0)	2660U	7.38E-10(.2 0.0)	2670U	7.03E-10(.2 0.0)	2680U	6.54E-10(.2 0.0)	2690U	6.38E-10(.2 0.0)
2700U	6.53E-10(.2 0.0)	2710U	6.65E-10(.2 0.0)	2720U	6.46E-10(.2 0.0)	2730U	6.06E-10(.2 0.0)	2740U	5.69E-10(.2 0.0)
2750U	5.63E-10(.2 0.0)	2760U	5.83E-10(.2 0.0)	2770U	5.95E-10(.2 0.0)	2780U	5.87E-10(.2 0.0)	2790U	5.78E-10(.2 0.0)
2800U	5.80E-10(.2 0.0)	2810U	5.81E-10(.2 0.0)	2820U	5.72E-10(.2 0.0)	2830U	5.53E-10(.2 0.0)	2840U	5.43E-10(.2 0.0)
2850U	5.54E-10(.2 0.0)	2860U	5.74E-10(.2 0.0)	2870U	5.81E-10(.2 0.0)	2880U	5.62E-10(.2 0.0)	2890U	5.29E-10(.2 0.0)
2900U	4.97E-10(.2 0.0)	2910U	4.77E-10(.2 0.0)	2920U	4.72E-10(.2 0.0)	2930U	4.75E-10(.2 0.0)	2940U	4.80E-10(.2 0.0)
2950U	4.81E-10(.2 0.0)	2960U	4.83E-10(.2 0.0)	2970U	4.87E-10(.2 0.0)	2980U	4.93E-10(.2 0.0)	2990U	4.96E-10(.2 0.0)
3000U	4.89E-10(.2 0.0)	3010U	4.71E-10(.2 0.0)	3020U	4.43E-10(.2 0.0)	3030U	4.16E-10(.2 0.0)	3040U	0.0(0.0 0.0)
3000U	4.88E-10(.2 0.0)	3020U	4.43E-10(.2 0.0)	3040U	3.99E-10(.2 0.0)	3060U	3.89E-10(.2 0.0)	3080U	3.96E-10(.2 0.0)
3100U	4.09E-10(.2 0.0)	3120U	4.18E-10(.2 0.0)	3140U	4.42E-10(.2 0.0)	3160U	4.70E-10(.2 0.0)	3180U	4.42E-10(.2 0.0)
3200U	3.85E-10(.2 0.0)	3220U	3.63E-10(.2 0.0)	3240U	3.65E-10(.2 0.0)	3260U	3.64E-10(.2 0.0)	3280U	3.63E-10(.2 0.0)
3300U	3.68E-10(.2 0.0)	3320U	3.80E-10(.2 0.0)	3340U	3.84E-10(.2 0.0)	3360U	3.74E-10(.2 0.0)	3380U	3.59E-10(.2 0.0)
3400U	3.43E-10(.2 0.0)	3420U	3.11E-10(.2 0.0)	3440U	2.96E-10(.2 0.0)	3460U	2.73E-10(.2 0.0)	3480U	2.58E-10(.2 0.0)
3500U	2.55E-10(.2 0.0)	3520U	2.60E-10(.2 0.0)	3540U	2.66E-10(.2 0.0)	3560U	2.75E-10(.2 0.0)	3580U	2.88E-10(.2 0.0)
3600U	3.02E-10(.2 0.0)	3620U	3.06E-10(.2 0.0)	3640U	3.03E-10(.2 0.0)	3660U	2.96E-10(.2 0.0)	3680U	2.89E-10(.2 0.0)
3700U	2.79E-10(.2 0.0)	3720U	2.67E-10(.2 0.0)	3740U	2.55E-10(.2 0.0)	3760U	2.47E-10(.2 0.0)	3780U	2.44E-10(.2 0.0)
3800U	2.45E-10(.2 0.0)	3820U	2.49E-10(.2 0.0)	3840U	2.55E-10(.2 0.0)	3860U	2.61E-10(.2 0.0)	3880U	2.68E-

LAMSDA, F (WT, SIG) F = AVE FLUX FROM LAM-DEL/2 TO LAM+DEL/2

1670, 1.70E-10(.7 0.0)	1672, 1.51E-10(.7 0.0)	1674, 1.65E-10(.7 0.0)	1676, 1.81E-10(.8 0.0)	1678, 1.66E-10(.7 0.0)
1680, 1.44E-10(.6 0.0)	1682, 1.41E-10(.6 0.0)	1684, 1.48E-10(.6 0.0)	1686, 1.53E-10(.7 0.0)	1688, 1.60E-10(.8 0.0)
1690, 1.73E-10(.9 0.0)	1692, 1.68E-10(.9 0.0)	1694, 1.54E-10(.9 0.0)	1696, 1.61E-10(.9 0.0)	1698, 1.74E-10(1.0 0.0)
1700, 1.66E-10(.9 0.0)	1702, 1.49E-10(.8 0.0)	1704, 1.40E-10(.7 0.0)	1706, 1.36E-10(.7 0.0)	1708, 1.34E-10(.7 0.0)
1710, 1.35E-10(.7 0.0)	1712, 1.36E-10(.8 0.0)	1714, 1.40E-10(.8 0.0)	1716, 1.42E-10(.9 0.0)	1718, 1.43E-10(.9 0.0)
1720, 1.45E-10(.9 0.0)	1722, 1.47E-10(1.0 0.0)	1724, 1.44E-10(1.0 0.0)	1726, 1.38E-10(.9 0.0)	1728, 1.34E-10(1.0 0.0)
1730, 1.28E-10(.9 0.0)	1732, 1.23E-10(.9 0.0)	1734, 1.23E-10(.9 0.0)	1736, 1.28E-10(.9 0.0)	1738, 1.31E-10(1.0 0.0)
1740, 1.30E-10(1.0 0.0)	1742, 1.26E-10(1.0 0.0)	1744, 1.15E-10(1.0 0.0)	1746, 1.05E-10(.9 0.0)	1748, 1.06E-10(.8 0.0)
1750, 1.07E-10(.8 0.0)	1752, 1.03E-10(.8 0.0)	1754, 9.89E-11(.8 0.0)	1756, 9.94E-11(.8 0.0)	1758, 1.00E-10(.8 0.0)
1760, 9.44E-11(.8 0.0)	1762, 8.95E-11(.7 0.0)	1764, 9.21E-11(.7 0.0)	1766, 9.31E-11(.7 0.0)	1768, 8.73E-11(.7 0.0)
1770, 8.39E-11(.7 0.0)	1772, 8.92E-11(.8 0.0)	1774, 9.29E-11(.8 0.0)	1776, 8.92E-11(.8 0.0)	1778, 8.55E-11(.8 0.0)
1780, 8.68E-11(.8 0.0)	1782, 9.42E-11(1.0 0.0)	1784, 1.02E-10(1.0 0.0)	1786, 1.06E-10(1.0 0.0)	1788, 1.07E-10(1.0 0.0)
1790, 1.06E-10(1.0 0.0)	1792, 1.04E-10(1.0 0.0)	1794, 1.02E-10(1.0 0.0)	1796, 1.04E-10(1.0 0.0)	1798, 1.12E-10(1.0 0.0)
1800, 1.16E-10(1.0 0.0)	1802, 1.19E-10(1.0 0.0)	1804, 1.24E-10(1.0 0.0)	1806, 1.26E-10(1.0 0.0)	1808, 1.21E-10(1.0 0.0)
1810, 1.13E-10(1.0 0.0)	1812, 1.13E-10(1.0 0.0)	1814, 1.19E-10(1.0 0.0)	1816, 1.24E-10(1.0 0.0)	1818, 1.26E-10(1.0 0.0)
1820, 1.27E-10(1.0 0.0)	1822, 1.28E-10(1.0 0.0)	1824, 1.25E-10(1.0 0.0)	1826, 1.20E-10(1.0 0.0)	0, 0 (0.0 0.0)
1800, 1.16E-10(1.0 0.0)	1805, 1.24E-10(1.0 0.0)	1810, 1.15E-10(1.0 0.0)	1815, 1.21E-10(1.0 0.0)	1820, 1.27E-10(1.0 0.0)
1825, 1.23E-10(1.0 0.0)	1830, 1.15E-10(1.0 0.0)	1835, 1.13E-10(1.0 0.0)	1840, 1.09E-10(1.0 0.0)	1845, 1.06E-10(1.0 0.0)
1850, 1.09E-10(1.0 0.0)	1855, 1.01E-10(1.0 0.0)	1860, 9.50E-11(1.0 0.0)	1865, 1.02E-10(1.0 0.0)	1870, 9.31E-11(1.0 0.0)
1875, 8.99E-11(1.0 0.0)	1880, 9.90E-11(1.0 0.0)	1885, 1.01E-10(1.0 0.0)	1890, 1.06E-10(1.0 0.0)	1895, 1.05E-10(1.0 0.0)
1900, 9.63E-11(1.0 0.0)	1905, 9.84E-11(1.0 0.0)	1910, 9.24E-11(1.0 0.0)	1915, 9.14E-11(.9 0.0)	1920, 9.94E-11(.9 0.0)
1925, 1.04E-10(.9 0.0)	1930, 1.06E-10(.9 0.0)	1935, 1.05E-10(.9 0.0)	1940, 9.69E-11(.9 0.0)	1945, 8.64E-11(.9 0.0)
1950, 8.52E-11(.9 0.0)	1955, 9.18E-11(.9 0.0)	1960, 9.27E-11(.9 0.0)	1965, 9.23E-11(.9 0.0)	1970, 9.55E-11(.9 0.0)
1975, 9.36E-11(.9 0.0)	1980, 8.97E-11(.9 0.0)	1985, 8.49E-11(.9 0.0)	1990, 8.63E-11(.8 0.0)	1995, 8.90E-11(.8 0.0)
2000, 9.68E-11(.8 0.0)	2005, 9.58E-11(.8 0.0)	2010, 9.22E-11(.8 0.0)	2015, 9.14E-11(.8 0.0)	2020, 9.01E-11(.8 0.0)
2025, 8.31E-11(.8 0.0)	2030, 7.61E-11(.8 0.0)	2035, 7.24E-11(.8 0.0)	2040, 7.73E-11(.8 0.0)	2045, 8.10E-11(.8 0.0)
2050, 7.42E-11(.8 0.0)	2055, 7.23E-11(.8 0.0)	2060, 7.63E-11(.7 0.0)	2065, 7.77E-11(.7 0.0)	2070, 7.75E-11(.7 0.0)
2075, 7.78E-11(.7 0.0)	2080, 7.74E-11(.7 0.0)	2085, 7.87E-11(.7 0.0)	2090, 8.04E-11(.7 0.0)	2095, 7.82E-11(.7 0.0)
2100, 7.36E-11(.7 0.0)	2105, 7.19E-11(.7 0.0)	2110, 7.13E-11(.7 0.0)	2115, 6.92E-11(.7 0.0)	2120, 7.01E-11(.6 0.0)
2125, 7.08E-11(.6 0.0)	2130, 7.20E-11(.6 0.0)	2135, 7.64E-11(.6 0.0)	2140, 8.18E-11(.6 0.0)	2145, 8.67E-11(.6 0.0)
2150, 8.61E-11(.6 0.0)	2155, 8.31E-11(.5 0.0)	2160, 8.40E-11(.5 0.0)	2165, 8.25E-11(.5 0.0)	2170, 7.79E-11(.5 0.0)
2175, 7.40E-11(.5 0.0)	2180, 7.05E-11(.5 0.0)	2185, 7.03E-11(.5 0.0)	2190, 7.14E-11(.5 0.0)	2195, 6.95E-11(.5 0.0)
2200, 6.81E-11(.5 0.0)	2205, 6.91E-11(.5 0.0)	2210, 7.17E-11(.5 0.0)	2215, 7.09E-11(.5 0.0)	2220, 6.84E-11(.5 0.0)
2225, 6.65E-11(.5 0.0)	2230, 6.66E-11(.5 0.0)	2235, 6.82E-11(.5 0.0)	2240, 7.03E-11(.5 0.0)	2245, 6.99E-11(.5 0.0)
2250, 6.68E-11(.5 0.0)	2255, 6.40E-11(.5 0.0)	2260, 6.19E-11(.5 0.0)	2265, 6.22E-11(.5 0.0)	2270, 6.38E-11(.5 0.0)
2275, 6.68E-11(.5 0.0)	2280, 6.73E-11(.5 0.0)	2285, 6.53E-11(.5 0.0)	2290, 6.26E-11(.5 0.0)	2295, 6.10E-11(.5 0.0)
2300, 6.02E-11(.5 0.0)	2305, 6.04E-11(.5 0.0)	2310, 6.16E-11(.5 0.0)	2315, 6.39E-11(.5 0.0)	0, 0 (0.0 0.0)
2300E 6.04E-11(.5 0.0)	2310E 6.17E-11(.5 0.0)	2320E 6.41E-11(.4 0.0)	2330E 6.21E-11(.4 0.0)	2340E 6.61E-11(.4 0.0)
2350E 6.76E-11(.4 0.0)	2360E 6.17E-11(.4 0.0)	2370E 5.90E-11(.4 0.0)	2380E 6.01E-11(.4 0.0)	2390E 6.04E-11(.4 0.0)
2400E 5.81E-11(.4 0.0)	2410E 5.61E-11(.4 0.0)	2420E 5.53E-11(.4 0.0)	2430E 5.56E-11(.4 0.0)	2440E 5.78E-11(.4 0.0)
2450E 6.15E-11(.4 0.0)	2460E 6.16E-11(.4 0.0)	2470E 6.03E-11(.3 0.0)	2480E 6.39E-11(.3 0.0)	2490E 6.61E-11(.3 0.0)
2500E 6.31E-11(.3 0.0)	2510E 6.43E-11(.3 0.0)	2520E 6.73E-11(.3 0.0)	2530E 6.48E-11(.3 0.0)	2540E 6.22E-11(.3 0.0)
135, 0.00(0.0 0.0)	139, 0.00(0.0 0.0)	148, 0.00(0.0 0.0)	154, 0.00(0.0 0.0)	161, 0.00(0.0 0.0)
166, 0.00(0.0 0.0)	172, 3.61(.9 0.0)	181, 3.81(1.0 0.0)	192, 3.94(.9 0.0)	204, 4.12(.8 0.0)
219, 4.27(.5 0.0)	245, 0.00(0.0 0.0)	280, 0.00(0.0 0.0)	360, 0.00(0.0 0.0)	0, 0.00(0.0 0.0)

X,Y(MM) 8.7 -18.5 SL3-105 23 SCANS, T= 233 HR 5998 WT 1.0, SCALE 1.00

R = 0.42



LAMBDA				F = AVE FLUX FROM LAM-DEL/2 TO LAM-DEL/2				LAMBDA											
F = ( WT. SIG)																			
1430U	2.32E-10(	4	0.0)	1432U	2.15E-10(	4	0.0)	1434U	2.35E-10(	4	0.0)	1436U	2.57E-10(	5	0.0)	1438U	2.55E-10(	6	0.0)
1440U	2.96E-10(	6	0.0)	1442U	3.04E-10(	7	0.0)	1444U	2.75E-10(	7	0.0)	1446U	2.79E-10(	7	0.0)	1448U	2.76E-10(	7	0.0)
1450U	2.96E-10(	7	0.0)	1452U	2.89E-10(	7	0.0)	1454U	2.86E-10(	8	0.0)	1456U	2.83E-10(	8	0.0)	1458U	3.05E-10(	8	0.0)
1460U	2.70E-10(	8	0.0)	1462U	2.46E-10(	7	0.0)	1464U	2.51E-10(	7	0.0)	1466U	2.59E-10(	8	0.0)	1468U	2.63E-10(	8	0.0)
1470U	2.62E-10(	9	0.0)	1472U	2.62E-10(	8	0.0)	1474U	2.49E-10(	8	0.0)	1476U	2.33E-10(	9	0.0)	1478U	2.67E-10(	10	0.0)
1480U	2.82E-10(	10	0.0)	1482U	2.78E-10(	10	0.0)	1484U	2.82E-10(	10	0.0)	1486U	2.89E-10(	10	0.0)	1488U	2.83E-10(	10	0.0)
1490U	2.71E-10(	10	0.0)	1492U	2.69E-10(	10	0.0)	1494U	2.49E-10(	10	0.0)	1496U	2.52E-10(	10	0.0)	1498U	3.00E-10(	10	0.0)
1500U	2.31E-10(	10	0.0)	1502U	2.30E-10(	10	0.0)	1504U	2.33E-10(	10	0.0)	1506U	2.32E-10(	10	0.0)	1508U	2.20E-10(	10	0.0)
1510U	2.20E-10(	10	0.0)	1512U	1.97E-10(	9	0.0)	1514U	1.83E-10(	8	0.0)	1516U	1.73E-10(	8	0.0)	1518U	1.84E-10(	8	0.0)
1520U	1.74E-10(	8	0.0)	1522U	1.75E-10(	8	0.0)	1524U	1.80E-10(	9	0.0)	1526U	1.73E-10(	9	0.0)	1528U	1.69E-10(	9	0.0)
1530U	1.75E-10(	9	0.0)	1532U	1.64E-10(	9	0.0)	1534U	1.62E-10(	9	0.0)	1536U	1.53E-10(	9	0.0)	1538U	1.62E-10(	10	0.0)
1540U	1.58E-10(	9	0.0)	1542U	1.63E-10(	10	0.0)	1544U	1.69E-10(	10	0.0)	1546U	1.75E-10(	10	0.0)	1548U	1.71E-10(	10	0.0)
1550U	1.66E-10(	10	0.0)	1552U	1.56E-10(	10	0.0)	1554U	1.50E-10(	10	0.0)	1556U	1.64E-10(	10	0.0)	1558U	1.41E-10(	10	0.0)
1560U	1.38E-10(	9	0.0)	1562U	1.45E-10(	10	0.0)	1564U	1.40E-10(	10	0.0)	1566U	1.50E-10(	10	0.0)	1568U	1.53E-10(	10	0.0)
1570U	1.53E-10(	10	0.0)	1572U	1.53E-10(	10	0.0)	1574U	1.40E-10(	10	0.0)	1576U	1.40E-10(	10	0.0)	1578U	1.45E-10(	10	0.0)
1580U	1.51E-10(	10	0.0)	1582U	1.45E-10(	10	0.0)	1584U	1.56E-10(	10	0.0)	1586U	1.39E-10(	10	0.0)	1588U	1.46E-10(	10	0.0)
1590U	1.51E-10(	10	0.0)	1592U	1.50E-10(	10	0.0)	1594U	1.56E-10(	10	0.0)	1596U	1.39E-10(	10	0.0)	1598U	2.44E-10(	10	0.0)
1600U	1.32E-10(	10	0.0)	1602U	1.28E-10(	10	0.0)	1604U	1.25E-10(	10	0.0)	1606U	1.20E-10(	10	0.0)	1608U	1.10E-10(	9	2.0)
1610U	1.05E-10(	9	3.3)	1612U	1.01E-10(	9	1.3)	1614U	1.02E-10(	9	2.6)	1616U	1.12E-10(	10	1.4)	1618U	1.19E-10(	10	2.6)
1620U	1.31E-10(	10	3.2)	1622U	1.36E-10(	10	3.7)	1624U	1.27E-10(	11	2.5)	1626U	1.24E-10(	11	6.0)	1628U	1.21E-10(	11	9.3)
1630U	1.09E-10(	11	7.3)	1632U	1.13E-10(	11													

R = &lt;1.00&gt;



F = AVE FLUX FROM LAM-DEL/2 TO LAM-DEL/2				F = AVE FLUX FROM LAM-DEL/2 TO LAM-DEL/2			
LAMBDA	F	( WT. )	SIG	LAMBDA	F	( WT. )	SIG
1310. 3.91E-09(1.6 4.5)	1312. 3.66E-09(1.6 1.9)	1314. 3.55E-09(1.6 0.0)	1316. 3.71E-09(1.6 1.1)	1318. 3.82E-09(1.6 4.2)			
1320. 3.78E-09(1.6 1.5)	1322. 3.62E-09(1.7 2.2)	1324. 3.75E-09(1.7 6.4)	1326. 3.79E-09(1.8 7.3)	1328. 3.56E-09(1.8 5.7)			
1330. 3.45E-09(1.8 9.0)	1332. 3.60E-09(1.7 9.6)	1334. 3.21E-09(1.7 1.3)	1336. 3.31E-09(1.7 4.4)	1338. 3.37E-09(1.6 8.0)			
1340. 3.26E-09(1.6 10.1)	1342. 3.32E-09(1.7 7.6)	1344. 3.23E-09(1.8 3.1)	1346. 3.46E-09(2.0 3.9)	1348. 3.37E-09(2.0 2.1)			
1350. 3.32E-09(1.9 4.4)	1352. 3.21E-09(1.9 2.4)	1354. 3.20E-09(2.0 1.4)	1356. 3.31E-09(2.0 3.3)	1358. 3.33E-09(2.0 1.3)			
1360. 3.22E-09(2.0 1.4)	1362. 3.07E-09(2.0 2.3)	1364. 3.15E-09(2.0 1.7)	1366. 3.17E-09(2.0 7.7)	1368. 3.07E-09(2.0 8.8)			
1370. 2.97E-09(1.9 13.1)	1372. 2.83E-09(1.8 14.3)	1374. 2.70E-09(1.7 18.7)	1376. 2.64E-09(1.7 16.1)	1378. 2.58E-09(1.8 15.3)			
1380. 2.74E-09(2.0 8.8)	1382. 2.73E-09(2.0 5.6)	1384. 2.86E-09(2.0 1.8)	1386. 2.78E-09(2.0 4.4)	1388. 2.53E-09(2.0 2.2)			
1390. 2.65E-09(1.9 9.2)	1392. 2.71E-09(1.9 9.4)	1394. 1.87E-09(1.9 12.9)	1396. 2.14E-09(1.9 1.1)	1398. 2.59E-09(2.0 5.8)			
1400. 2.36E-09(2.0 7.1)	1402. 0.99E-09(2.0 5.4)	1404. 2.07E-09(2.0 0.8)	1406. 6.62E-09(2.0 3.1)	1408. 5.59E-09(2.0 2.8)			
1410. 2.59E-09(2.0 4.1)	1412. 2.58E-09(2.0 3.7)	1414. 2.60E-09(2.0 5.1)	1416. 2.54E-09(2.0 7.4)	1418. 2.50E-09(2.0 4.9)			
1420. 2.60E-09(2.0 5.5)	1422. 2.57E-09(2.0 8.2)	1424. 2.57E-09(2.0 2.4)	1426. 2.50E-09(2.0 6.1)	1428. 2.50E-09(2.0 4.1)			
1430. 2.55E-09(2.0 4.4)	1432. 2.63E-09(2.0 1.8)	1434. 2.62E-09(2.0 1.1)	1436. 2.58E-09(2.0 3.2)	1438. 2.58E-09(2.0 1.9)			
1440. 2.66E-09(2.0 1.5)	1442. 2.63E-09(2.0 1.0)	1444. 2.63E-09(2.0 1.9)	1446. 2.61E-09(2.0 2.8)	1448. 2.70E-09(2.0 1.2)			
1450. 2.66E-09(2.0 1.7)	1452. 2.60E-09(2.0 2.2)	1454. 2.63E-09(2.0 2.0)	1456. 2.63E-09(2.0 4.3)	1458. 2.66E-09(2.0 0.0)			
1460. 2.57E-09(2.0 1.7)	1462. 2.52E-09(2.0 8.8)	1464. 2.47E-09(2.0 1.1)	1466. 2.43E-09(2.0 1.1)	1468. 2.44E-09(2.0 1.2)			
1470. 2.50E-09(1.9 3.3)	1472. 2.56E-09(1.9 8.8)	1474. 2.45E-09(1.9 1.5)	1476. 2.41E-09(1.9 2.2)	1478. 2.37E-09(1.9 1.6)			
1480. 2.44E-09(1.9 2.5)	1482. 2.39E-09(1.9 2.4)	1484. 2.37E-09(1.9 1.5)	1486. 2.31E-09(1.9 1.8)	1488. 2.37E-09(1.9 2.6)			
1490. 2.47E-09(1.9 4.7)	1492. 2.44E-09(1.9 1.9)	1494. 2.37E-09(1.9 7.7)	1496. 2.31E-09(1.9 2.4)	1498. 2.27E-09(1.9 2.6)			
1500. 2.18E-09(1.9 2.7)	1502. 2.19E-09(1.9 9.9)	1504. 2.26E-09(1.9 1.2)	1506. 2.26E-09(1.9 1.1)	1508. 2.17E-09(1.9 2.7)			
1510. 2.10E-09(1.9 6.9)	1512. 2.04E-09(1.9 7.5)	1514. 2.04E-09(1.9 5.8)	1516. 2.04E-09(1.9 6.3)	1518. 2.02E-09(1.9 3.4)			
1520. 2.11E-09(1.9 4.8)	1522. 2.06E-09(1.9 4.1)	1524. 1.92E-09(1.9 3.1)	1526. 1.79E-09(1.9 1.6)	1528. 1.77E-09(1.9 2.7)			
1530. 1.72E-09(1.9 4.4)	1532. 1.67E-09(1.9 8.8)	1534. 1.66E-09(1.9 2.2)	1536. 1.59E-09(1.9 2.4)	1538. 1.55E-09(1.9 1.0)			
1540. 1.54E-09(1.9 1.5)	1542. 1.52E-09(1.9 1.1)	1544. 1.52E-09(1.9 1.1)	1546. 1.47E-09(1.9 3.1)	1548. 1.40E-09(1.9 9.9)			
1550. 1.54E-09(1.9 1.5)	1552. 1.49E-09(1.9 2.5)	1554. 1.58E-09(1.9 1.2)	1556. 1.67E-09(1.9 2.3)	1558. 1.67E-09(1.8 2.0)			
1560. 1.63E-09(1.8 8.8)	1562. 1.60E-09(1.8 3.5)	1564. 1.60E-09(1.8 0.8)	1566. 1.68E-09(1.8 1.5)	1568. 1.68E-09(1.8 5.8)			
1570. 1.72E-09(1.8 4.1)	1572. 1.71E-09(1.8 2.4)	1574. 1.69E-09(1.8 0.0)	1576. 1.69E-09(1.8 1.8)	1578. 1.68E-09(1.8 1.8)			
1580. 1.72E-09(1.8 2.6)	1582. 1.69E-09(1.8 9.9)	1584. 1.70E-09(1.8 1.2)	1586. 1.74E-09(1.8 2.7)	1588. 1.79E-09(1.7 3.2			

R = 1.29

87 - 1.99.

HD 147971

EPS NOR

HD 147971

LAMBDA	F	(WT, SIG)	F = AVE FLUX	FROM LAM-DEL/2	TO LAM-DEL/2
1310	0.0	(0.0, 0.0)	1312	0.0	(0.0, 0.0)
1320U	1.20E-09	(2.0, 0.0)	1322U	1.24E-09	(3.0, 0.0)
1330U	7.31E-10	(1.0, 0.0)	1332U	8.94E-10	(1.0, 0.0)
1340U	8.76E-10	(3.0, 0.0)	1342U	8.50E-10	(3.0, 0.0)
1350U	7.35E-10	(2.0, 0.0)	1352U	6.86E-10	(2.0, 0.0)
1360U	8.87E-10	(3.0, 0.0)	1362U	8.55E-10	(3.0, 0.0)
1370U	7.42E-10	(1.0, 0.0)	1372U	8.30E-10	(3.4, 0.0)
1380U	7.07E-10	(4.0, 0.0)	1382U	7.11E-10	(4.0, 0.0)
1390U	7.19E-10	(4.0, 0.0)	1392U	6.83E-10	(4.0, 0.0)
1400	7.31E-10	(5.0, 0.0)	1402	7.44E-10	(6.0, 0.0)
1410	6.90E-10	(6.0, 0.0)	1412	6.44E-10	(6.0, 0.0)
1420	6.10E-10	(6.0, 0.0)	1422	6.32E-10	(7.0, 0.0)
1430	6.53E-10	(8.0, 0.0)	1432	6.82E-10	(8.0, 0.0)
1440	6.72E-10	(1.0, 0.0)	1442	6.59E-10	(1.0, 0.0)
1450	6.56E-10	(1.0, 0.0)	1452	6.95E-10	(2.0, 0.0)
1460	6.30E-10	(1.0, 0.0)	1462	6.28E-10	(1.0, 0.0)
1470	5.74E-10	(1.0, 3.6)	1472	5.81E-10	(1.0, 5.9)
1480	6.23E-10	(1.1, 3.6)	1482	5.85E-10	(1.2, 8.4)
1490	6.24E-10	(1.5, 3.1)	1492	6.01E-10	(1.4, 5.3)
1500	5.81E-10	(1.6, 8.9)	1502	5.36E-10	(1.6, 9.6)
1510	5.40E-10	(1.7, 4.4)	1512	5.35E-10	(1.7, 5.8)
1520	5.85E-10	(1.9, 7.4)	1522	5.88E-10	(2.1, 3.4)
1530	4.83E-10	(2.1, 7.4)	1532	4.61E-10	(2.1, 7.3)
1540	5.28E-10	(2.1, 13.0)	1542	5.02E-10	(2.1, 8.3)
1550	5.13E-10	(2.2, 7.0)	1552	4.91E-10	(2.2, 8.6)
1560	4.70E-10	(2.2, 9.6)	1562	4.58E-10	(2.2, 6.7)
1570	4.88E-10	(2.2, 4.6)	1572	4.82E-10	(2.2, 7.3)
1580	5.46E-10	(2.2, 9.6)	1582	5.43E-10	(2.2, 9.5)
1590	4.75E-10	(2.2, 2.3)	1592	5.88E-10	(2.2, 3.4)
1600	4.75E-10	(2.2, 3.5)	1602	4.84E-10	(2.2, 6.4)
1610	4.96E-10	(2.2, 4.4)	1612	4.88E-10	(2.2, 4.5)
1620	5.14E-10	(2.2, 7.5)	1622	5.18E-10	(2.2, 4.8)
1630	4.81E-10	(2.2, 6.5)	1632	4.85E-10	(2.2, 7.3)
1640	4.92E-10	(2.2, 4.6)	1642	4.86E-10	(2.2, 5.0)
1650	5.29E-10	(2.2, 5.8)	1652	5.42E-10	(2.2, 6.4)
1660	4.75E-10	(2.2, 5.8)	1662	4.96E-10	(2.2, 5.7)
1670	5.06E-10	(2.2, 2.0)	1672	5.12E-10	(2.2, 4.4)
1680	5.20E-10	(2.2, 5.2)	1682	5.13E-10	(2.2, 4.1)
1690	5.08E-10	(2.2, 3.7)	1692	5.01E-10	(2.2, 3.8)
1700	4.89E-10	(2.2, 3.7)	1702	4.77E-10	(2.2, 4.3)
1710	4.84E-10	(2.2, 3.9)	1712	4.81E-10	(2.2, 5.5)
1720	4.56E-10	(2.2, 2.5)	1722	4.46E-10	(2.2, 2.6)
1730	4.45E-10	(2.2, 4.8)	1732	4.58E-10	(2.2, 2.5)
1740	4.54E-10	(2.2, 4.7)	1742	4.58E-10	(2.2, 2.2)
1750	4.28E-10	(2.2, 3.2)	1752	4.29E-10	(2.2, 2.6)
1760	4.31E-10	(2.2, 2.6)	1762	4.20E-10	(2.2, 2.5)
1770	4.07E-10	(2.2, 3.7)	1772	3.99E-10	(2.2, 3.8)
1780	4.09E-10	(2.2, 2.6)	1782	4.14E-10	(2.2, 2.8)
1790	4.10E-10	(2.2, 3.2)	1792	4.20E-10	(2.2, 3.4)
1800	4.29E-10	(2.1, 2.2)	1802	4.26E-10	(2.1, 3.2)
1810	4.20E-10	(2.1, 1.4)	1812	4.20E-10	(2.1, 1.1)
1820	4.48E-10	(2.1, 1.2)	1822	4.49E-10	(2.1, 2.0)
1800	4.22E-10	(2.1, 2.0)	1805	4.27E-10	(2.1, 2.3)
1825	4.39E-10	(2.1, 1.2)	1830	4.27E-10	(2.1, 1.5)
1850	4.05E-10	(2.0, 4.4)	1855	3.97E-10	(2.0, 2.4)
1875	3.85E-10	(2.0, 6.0)	1880	3.91E-10	(2.0, 1.6)
1900	3.85E-10	(2.0, 1.0)	1905	3.93E-10	(2.0, 4.8)
1925	3.67E-10	(2.0, 5.5)	1930	3.33E-10	(2.0, 4.8)
1950	3.51E-10	(1.9, 4.0)	1955	3.58E-10	(1.9, 3.4)
1975	3.59E-10	(1.9, 3.4)	1980	3.57E-10	(1.9, 4.5)
2000	3.29E-10	(1.8, 4.4)	2005	3.24E-10	(1.8, 3.5)
2025	3.41E-10	(1.7, 5.5)	2030	3.32E-10	(1.7, 4.5)
2050	3.12E-10	(1.7, 5.5)	2055	3.12E-10	(1.6, 5.5)
2075	3.25E-10	(1.7, 5.0)	2080	3.12E-10	(1.5, 5.0)
2100	3.07E-10	(1.5, 9.0)	2105	3.04E-10	(1.4, 5.0)
2125	3.02E-10	(1.4, 6.5)	2130	3.04E-10	(1.4, 9.3)
2150	2.88E-10	(1.3, 3.4)	2155	2.90E-10	(1.3, 5.1)
2175	2.96E-10	(1.3, 4.8)	2180	2.92E-10	(1.3, 6.2)
2200	2.73E-10	(1.2, 9.2)	2205	2.71E-10	(1.2, 11.2)
2225	2.78E-10	(1.2, 7.7)	2230	2.77E-10	(1.2, 7.9)
2250	2.79E-10	(1.1, 5.5)	2255	2.81E-10	(1.1, 6.4)
2275	2.81E-10	(1.1, 7.3)	2280	2.82E-10	(1.1, 6.5)
2300E	2.81E-10	(1.0, 6.7)	2305	2.79E-10	(1.0, 7.7)
2300E	2.82E-10	(1.0, 6.5)	2310E	2.75E-10	(1.0, 9.4)
2350E	2.85E-10	(0.9, 8.5)	2360E	2.91E-10	(0.9, 7.6)
2400E	2.99E-10	(0.8, 7.4)	2410E	2.91E-10	(0.8, 8.9)
2450E	2.91E-10	(0.8, 10.6)	2460E	2.95E-10	(0.7, 8.8)
2500E	3.05E-10	(0.7, 16.9)	2510E	2.87E-10	(0.7, 14.0)
2550E	3.07E-10	(0.6, 11.3)	2560E	3.06E-10	(0.6, 10.3)
2600E	3.12E-10	(0.6, 10.1)	2610E	3.08E-10	(0.6, 14.0)
2650E	3.20E-10	(0.5, 11.3)	2660E	3.19E-10	(0.5, 13.2)
2700E	2.97E-10	(0.5, 12.2)	2710E	2.86E-10	(0.5, 10.1)
2750E	2.79E-10	(0.5, 12.8)	2760E	2.73E-10	(0.5, 10.3)
2800E	2.89E-10	(0.5, 10.3)	2810E	2.89E-10	(0.5, 10.3)
2850E	2.69E-10	(0.5, 12.0)	2860E	2.69E-10	(0.5, 14.3)
2900E	2.86E-10	(0.4, 16.7)	2910E	2.90E-10	(0.4, 14.4)
2950E	2.82E-10	(0.4, 18.8)	2960E	2.77E-10	(0.4, 20.4)
3000E	2.81E-10	(0.3, 18.9)	3010E	2.75E-10	(0.3, 17.1)
3000E	2.88E-10	(0.3, 18.1)	3020E	2.73E-10	(0.3, 15.6)
3100E	2.98E-10	(0.3, 15.6)	3120E	3.15E-10	(0.3, 19.7)
3200E	3.63E-10	(0.2, 18.9)	3220E	3.61E-10	(0.2, 14.3)
3300E	3.46E-10	(0.1, 4.4)	3320E	3.44E-10	(0.1, 6.5)
3400E	3.79E-10	(0.1, 9.4)	3420E	3.44E-10	(0.1, 10.9)
3500E	3.06E-10	(0.1, 13.1)	3520E	2.78E-10	(0.2, 18.9)
3600E	2.47E-10	(0.2, 15.1)	3620E	2.58E-10	(0.2, 11.6)
3700E	3.13E-10	(0.1, 10.7)	3720E	3.10E-10	(0.1, 8.0)
3800E	2.92E-10	(0.1, 3.8)	3820E	2.88E-10	(0.1, 6.9)
3900E	2.86E-10	(0.1, 12.1)	3920E	2.89E-10	(0.2, 10.3)
4000E	2.64E-10	(0.2, 17.2)	4020E	2.66E-10	(0.2, 32.8)
4100E	2.54E-10	(0.2, 36.4)	4120E	2.52E-10	(0.2, 34.8)
135U	1.63	(0.3, 0.0)	139U	1.79	(0.5, 0.0)
166	2.14	(2.2, 4.0)	179	2.25	(2.2, 2.5)
219	2.76	(1.2, 6.6)	245E	2.71	(0.7, 9.9)
148	1.98	(1.2, 5.6)	181	2.34	(2.1, 1.8)
280E	2.75	(0.5, 13.5)	360E	2.70	(0.1, 7.5)
154	2.12	(1.9, 9.5)	192	2.48	(2.0, 2.8)
360E	2.70	(0.1, 7.5)	204	0.00	(0.0, 0.0)
161	2.16	(2.2, 4.5)	204	2.63	(1.7, 4.1)
0	0.00	(0.0, 0.0)	0	0.00	(0.0, 0.0)

X, Y (MM) -13.4 -5.4 SL3- 72 21 SCANS, T= 225: EPS NOR WT 1.0, SCALE .95  
 X, Y (MM) -13.4 -5.4 SL3- 73 16 SCANS, T= 77: EPS NOR WT 1.2, SCALE 1.03

R = 0.91





LAMBDA				F				(WT)				SIG				F = AVE FLUX FROM LAM-DEL/2				TO LAM-DEL/2							
1320U	4.01E-10	(1.0)	0.0	1322U	4.02E-10	(2.0)	0.0	1324U	4.32E-10	(2.0)	0.0	1326U	3.89E-10	(2.0)	0.0	1328U	3.74E-10	(2.0)	0.0	1330U	3.96E-10	(2.0)	0.0	1332U	3.74E-10	(2.0)	0.0
1330U	2.81E-10	(1.0)	0.0	1332U	3.18E-10	(1.0)	0.0	1334U	2.22E-10	(1.0)	0.0	1336U	2.97E-10	(1.0)	0.0	1338U	1.96E-10	(1.0)	0.0	1340U	3.70E-10	(2.0)	0.0	1342U	3.90E-10	(4.0)	0.0
1340U	3.52E-10	(2.0)	0.0	1342U	3.91E-10	(3.0)	0.0	1344U	3.85E-10	(3.0)	0.0	1346U	3.30E-10	(3.0)	0.0	1348U	3.70E-10	(3.0)	0.0	1350U	3.74E-10	(4.0)	0.0	1352U	3.91E-10	(3.0)	0.0
1350U	3.43E-10	(3.0)	0.0	1352U	3.13E-10	(3.0)	0.0	1354U	4.43E-10	(4.0)	0.0	1356U	3.71E-10	(4.0)	0.0	1358U	3.90E-10	(4.0)	0.0	1360U	3.74E-10	(5.0)	0.0	1362U	3.95E-10	(5.0)	0.0
1360U	3.71E-10	(5.0)	0.0	1362U	3.95E-10	(5.0)	0.0	1364U	3.97E-10	(5.0)	0.0	1366U	4.35E-10	(6.0)	0.0	1368U	4.70E-10	(6.0)	0.0	1370U	3.74E-10	(6.0)	0.0	1372U	3.95E-10	(6.0)	0.0
1370U	3.74E-10	(6.0)	0.0	1372U	4.07E-10	(6.0)	0.0	1374U	4.25E-10	(6.0)	0.0	1376U	4.12E-10	(6.0)	0.0	1378U	3.74E-10	(6.0)	0.0	1380U	3.74E-10	(6.0)	0.0	1382U	4.07E-10	(6.0)	0.0
1380U	3.74E-10	(6.0)	0.0	1382U	4.07E-10	(6.0)	0.0	1384U	4.25E-10	(6.0)	0.0	1386U	4.12E-10	(6.0)	0.0	1388U	3.74E-10	(6.0)	0.0	1390U	3.74E-10	(6.0)	0.0	1392U	4.07E-10	(6.0)	0.0
1390U	1.22E-10	(1.0)	0.0	1392U	2.20E-10	(2.0)	0.0	1394U	2.12E-10	(3.0)	0.0	1396U	1.40E-10	(3.0)	0.0	1398U	2.14E-10	(3.0)	2.4	1400U	2.62E-10	(5.0)	4.2	1402U	2.38E-10	(8.0)	1.0
1400U	2.62E-10	(5.0)	4.2	1402U	2.38E-10	(8.0)	1.0	1404U	4.30E-10	(9.0)	6.0	1406U	4.81E-10	(9.0)	6.7	1408U	4.37E-10	(9.0)	1.2	1410U	3.45E-10	(9.0)	1.9	1412U	3.07E-10	(9.0)	8.0
1410U	3.45E-10	(9.0)	1.9	1412U	3.07E-10	(9.0)	8.0	1414U	4.31E-10	(9.0)	9.0	1416U	3.28E-10	(10.0)	2.9	1418U	3.24E-10	(10.0)	6.8	1420U	3.06E-10	(10.0)	5.0	1422U	3.18E-10	(10.0)	18.9
1420U	3.06E-10	(10.0)	5.0	1422U	3.18E-10	(10.0)	18.9	1424U	3.27E-10	(11.0)	13.0	1426U	2.75E-10	(11.0)	15.1	1428U	2.81E-10	(11.0)	12.3	1430U	3.15E-10	(11.0)	13.5	1432U	3.08E-10	(11.0)	16.1
1430U	3.15E-10	(11.0)	13.5	1432U	3.08E-10	(11.0)	16.1	1434U	3.36E-10	(11.0)	14.4	1436U	3.60E-10	(11.0)	18.3	1438U	3.59E-10	(11.0)	13.4	1440U	3.29E-10	(11.0)	17.9	1442U	3.42E-10	(11.0)	6.6
1440U	3.29E-10	(11.0)	17.9	1442U	3.42E-10	(11.0)	6.6	1444U	3.05E-10	(11.0)	5.5	1446U	3.22E-10	(11.0)	8.8	1448U	3.12E-10	(11.0)	18.3	1450U	3.23E-10	(11.0)	13.0	1452U	3.17E-10	(11.0)	15.9
1450U	3.23E-10	(11.0)	13.0	1452U	3.17E-10	(11.0)	15.9	1454U	3.22E-10	(11.0)	8.8	1456U	3.12E-10	(11.0)	18.3	1458U	3.11E-10	(11.0)	18.3	1460U	3.23E-10	(11.0)	13.0	1462U	3.17E-10	(11.0)	15.9
1460U	3.23E-10	(11.0)	13.0	1462U	3.17E-10	(11.0)																					

$R = 0.93$ :

X, Y (MM)	-16.3	-8.0	SL3- 64	16 SCANS, T= 225: HR 6164	WT .9, SCALE 1.26
X, Y (MM)	-16.3	-8.0	SL3- 65	17 SCANS, T= 77: HR 6164	WT .9, SCALE .71

 $R = 0.66$

LAMBDA	F	(WT, SIG)	F - AVE FLUX	FROM LAM-DEL/2 TO LAM+DEL/2	F - AVE FLUX	FROM LAM-DEL/2 TO LAM+DEL/2	F - AVE FLUX	FROM LAM-DEL/2 TO LAM+DEL/2	F - AVE FLUX	FROM LAM-DEL/2 TO LAM+DEL/2	F - AVE FLUX	FROM LAM-DEL/2 TO LAM+DEL/2	F - AVE FLUX	FROM LAM-DEL/2 TO LAM+DEL/2	F - AVE FLUX	FROM LAM-DEL/2 TO LAM+DEL/2	F - AVE FLUX	FROM LAM-DEL/2 TO LAM+DEL/2	F - AVE FLUX	FROM LAM-DEL/2 TO LAM+DEL/2	F - AVE FLUX	FROM LAM-DEL/2 TO LAM+DEL/2	F - AVE FLUX	FROM LAM-DEL/2 TO LAM+DEL/2	F - AVE FLUX	FROM LAM-DEL/2 TO LAM+DEL/2	F - AVE FLUX	FROM LAM-DEL/2 TO LAM+DEL/2	F - AVE FLUX	FROM LAM-DEL/2 TO LAM+DEL/2	F - AVE FLUX	FROM LAM-DEL/2 TO LAM+DEL/2	F - AVE FLUX	FROM LAM-DEL/2 TO LAM+DEL/2	F - AVE FLUX	FROM LAM-DEL/2 TO LAM+DEL/2	F - AVE FLUX	FROM LAM-DEL/2 TO LAM+DEL/2	F - AVE FLUX	FROM LAM-DEL/2 TO LAM+DEL/2	F - AVE FLUX	FROM LAM-DEL/2 TO LAM+DEL/2	F - AVE FLUX	FROM LAM-DEL/2 TO LAM+DEL/2	F - AVE FLUX	FROM LAM-DEL/2 TO LAM+DEL/2	F - AVE FLUX	FROM LAM-DEL/2 TO LAM+DEL/2	F - AVE FLUX	FROM LAM-DEL/2 TO LAM+DEL/2	F - AVE FLUX	FROM LAM-DEL/2 TO LAM+DEL/2	F - AVE FLUX	FROM LAM-DEL/2 TO LAM+DEL/2	F - AVE FLUX	FROM LAM-DEL/2 TO LAM+DEL/2	F - AVE FLUX	FROM LAM-DEL/2 TO LAM+DEL/2	F - AVE FLUX	FROM LAM-DEL/2 TO LAM+DEL/2	F - AVE FLUX	FROM LAM-DEL/2 TO LAM+DEL/2	F - AVE FLUX	FROM LAM-DEL/2 TO LAM+DEL/2	F - AVE FLUX	FROM LAM-DEL/2 TO LAM+DEL/2	F - AVE FLUX	FROM LAM-DEL/2 TO LAM+DEL/2	F - AVE FLUX	FROM LAM-DEL/2 TO LAM+DEL/2	F - AVE FLUX	FROM LAM-DEL/2 TO LAM+DEL/2	F - AVE FLUX	FROM LAM-DEL/2 TO LAM+DEL/2	F - AVE FLUX	FROM LAM-DEL/2 TO LAM+DEL/2	F - AVE FLUX	FROM LAM-DEL/2 TO LAM+DEL/2	F - AVE FLUX	FROM LAM-DEL/2 TO LAM+DEL/2	F - AVE FLUX	FROM LAM-DEL/2 TO LAM+DEL/2	F - AVE FLUX	FROM LAM-DEL/2 TO LAM+DEL/2	F - AVE FLUX	FROM LAM-DEL/2 TO LAM+DEL/2	F - AVE FLUX	FROM LAM-DEL/2 TO LAM+DEL/2	F - AVE FLUX	FROM LAM-DEL/2 TO LAM+DEL/2	F - AVE FLUX	FROM LAM-DEL/2 TO LAM+DEL/2	F - AVE FLUX	FROM LAM-DEL/2 TO LAM+DEL/2	F - AVE FLUX	FROM LAM-DEL/2 TO LAM+DEL/2	F - AVE FLUX	FROM LAM-DEL/2 TO LAM+DEL/2	F - AVE FLUX	FROM LAM-DEL/2 TO LAM+DEL/2	F - AVE FLUX	FROM LAM-DEL/2 TO LAM+DEL/2	F - AVE FLUX	FROM LAM-DEL/2 TO LAM+DEL/2	F - AVE FLUX	FROM LAM-DEL/2 TO LAM+DEL/2	F - AVE FLUX	FROM LAM-DEL/2 TO LAM+DEL/2	F - AVE FLUX	FROM LAM-DEL/2 TO LAM+DEL/2	F - AVE FLUX	FROM LAM-DEL/2 TO LAM+DEL/2	F - AVE FLUX	FROM LAM-DEL/2 TO LAM+DEL/2	F - AVE FLUX	FROM LAM-DEL/2 TO LAM+DEL/2	F - AVE FLUX	FROM LAM-DEL/2 TO LAM+DEL/2	F - AVE FLUX	FROM LAM-DEL/2 TO LAM+DEL/2	F - AVE FLUX	FROM LAM-DEL/2 TO LAM+DEL/2	F - AVE FLUX	FROM LAM-DEL/2 TO LAM+DEL/2	F - AVE FLUX	FROM LAM-DEL/2 TO LAM+DEL/2	F - AVE FLUX	FROM LAM-DEL/2 TO LAM+DEL/2	F - AVE FLUX	FROM LAM-DEL/2 TO LAM+DEL/2	F - AVE FLUX	FROM LAM-DEL/2 TO LAM+DEL/2	F - AVE FLUX	FROM LAM-DEL/2 TO LAM+DEL/2	F - AVE FLUX	FROM LAM-DEL/2 TO LAM+DEL/2	F - AVE FLUX	FROM LAM-DEL/2 TO LAM+DEL/2	F - AVE FLUX	FROM LAM-DEL/2 TO LAM+DEL/2	F - AVE FLUX	FROM LAM-DEL/2 TO LAM+DEL/2	F - AVE FLUX	FROM LAM-DEL/2 TO LAM+DEL/2	F - AVE FLUX	FROM LAM-DEL/2 TO LAM+DEL/2	F - AVE FLUX	FROM LAM-DEL/2 TO LAM+DEL/2	F - AVE FLUX	FROM LAM-DEL/2 TO LAM+DEL/2	F - AVE FLUX	FROM LAM-DEL/2 TO LAM+DEL/2	F - AVE FLUX	FROM LAM-DEL/2 TO LAM+DEL/2	F - AVE FLUX	FROM LAM-DEL/2 TO LAM+DEL/2	F - AVE FLUX	FROM LAM-DEL/2 TO LAM+DEL/2	F - AVE FLUX	FROM LAM-DEL/2 TO LAM+DEL/2	F - AVE FLUX	FROM LAM-DEL/2 TO LAM+DEL/2	F - AVE FLUX	FROM LAM-DEL/2 TO LAM+DEL/2	F - AVE FLUX	FROM LAM-DEL/2 TO LAM+DEL/2	F - AVE FLUX	FROM LAM-DEL/2 TO LAM+DEL/2	F - AVE FLUX	FROM LAM-DEL/2 TO LAM+DEL/2	F - AVE FLUX	FROM LAM-DEL/2 TO LAM+DEL/2	F - AVE FLUX	FROM LAM-DEL/2 TO LAM+DEL/2	F - AVE FLUX	FROM LAM-DEL/2 TO LAM+DEL/2	F - AVE FLUX	FROM LAM-DEL/2 TO LAM+DEL/2	F - AVE FLUX	FROM LAM-DEL/2 TO LAM+DEL/2	F - AVE FLUX	FROM LAM-DEL/2 TO LAM+DEL/2	F - AVE FLUX	FROM LAM-DEL/2 TO LAM+DEL/2	F - AVE FLUX	FROM LAM-DEL/2 TO LAM+DEL/2	F - AVE FLUX	FROM LAM-DEL/2 TO LAM+DEL/2	F - AVE FLUX	FROM LAM-DEL/2 TO LAM+DEL/2	F - AVE FLUX	FROM LAM-DEL/2 TO LAM+DEL/2	F - AVE FLUX	FROM LAM-DEL/2 TO LAM+DEL/2	F - AVE FLUX	FROM LAM-DEL/2 TO LAM+DEL/2	F - AVE FLUX	FROM LAM-DEL/2 TO LAM+DEL/2	F - AVE FLUX	FROM LAM-DEL/2 TO LAM+DEL/2	F - AVE FLUX	FROM LAM-DEL/2 TO LAM+DEL/2	F - AVE FLUX	FROM LAM-DEL/2 TO LAM+DEL/2	F - AVE FLUX	FROM LAM-DEL/2 TO LAM+DEL/2	F - AVE FLUX	FROM LAM-DEL/2 TO LAM+DEL/2	F - AVE FLUX	FROM LAM-DEL/2 TO LAM+DEL/2	F - AVE FLUX	FROM LAM-DEL/2 TO LAM+DEL/2	F - AVE FLUX	FROM LAM-DEL/2 TO LAM+DEL/2	F - AVE FLUX	FROM LAM-DEL/2 TO LAM+DEL/2	F - AVE FLUX	FROM LAM-DEL/2 TO LAM+DEL/2	F - AVE FLUX	FROM LAM-DEL/2 TO LAM+DEL/2	F - AVE FLUX	FROM LAM-DEL/2 TO LAM+DEL/2	F - AVE FLUX	FROM LAM-DEL/2 TO LAM+DEL/2	F - AVE FLUX	FROM LAM-DEL/2 TO LAM+DEL/2	F - AVE FLUX	FROM LAM-DEL/2 TO LAM+DEL/2	F - AVE FLUX	FROM LAM-DEL/2 TO LAM+DEL/2	F - AVE FLUX	FROM LAM-DEL/2 TO LAM+DEL/2	F - AVE FLUX	FROM LAM-DEL/2 TO LAM+DEL/2	F - AVE FLUX	FROM LAM-DEL/2 TO LAM+DEL/2	F - AVE FLUX	FROM LAM-DEL/2 TO LAM+DEL/2	F - AVE FLUX	FROM LAM-DEL/2 TO LAM+DEL/2	F - AVE FLUX	FROM LAM-DEL/2 TO LAM+DEL/2	F - AVE FLUX	FROM LAM-DEL/2 TO LAM+DEL/2	F - AVE FLUX	FROM LAM-DEL/2 TO LAM+DEL/2	F - AVE FLUX	FROM LAM-DEL/2 TO LAM+DEL/2	F - AVE FLUX	FROM LAM-DEL/2 TO LAM+DEL/2	F - AVE FLUX	FROM LAM-DEL/2 TO LAM+DEL/2	F - AVE FLUX	FROM LAM-DEL/2 TO LAM+DEL/2	F - AVE FLUX	FROM LAM-DEL/2 TO LAM+DEL/2	F - AVE FLUX	FROM LAM-DEL/2 TO LAM+DEL/2	F - AVE FLUX	FROM LAM-DEL/2 TO LAM+DEL/2	F - AVE FLUX	FROM LAM-DEL/2 TO LAM+DEL/2	F - AVE FLUX	FROM LAM-DEL/2 TO LAM+DEL/2	F - AVE FLUX	FROM LAM-DEL/2 TO LAM+DEL/2	F - AVE FLUX	FROM LAM-DEL/2 TO LAM+DEL/2	F - AVE FLUX	FROM LAM-DEL/2 TO LAM+DEL/2	F - AVE FLUX	FROM LAM-DEL/2 TO LAM+DEL/2	F - AVE FLUX	FROM LAM-DEL/2 TO LAM+DEL/2	F - AVE FLUX	FROM LAM-DEL/2 TO LAM+DEL/2	F - AVE FLUX	FROM LAM-DEL/2 TO LAM+DEL/2	F - AVE FLUX	FROM LAM-DEL/2 TO LAM+DEL/2	F - AVE FLUX	FROM LAM-DEL/2 TO LAM+DEL/2	F - AVE FLUX	FROM LAM-DEL/2 TO LAM+DEL/2	F - AVE FLUX	FROM LAM-DEL/2 TO LAM+DEL/2	F - AVE FLUX	FROM LAM-DEL/2 TO LAM+DEL/2	F - AVE FLUX	FROM LAM-DEL/2 TO LAM+DEL/2	F - AVE FLUX	FROM LAM-DEL/2 TO LAM+DEL/2	F - AVE FLUX	FROM LAM-DEL/2 TO LAM+DEL/2	F - AVE FLUX	FROM LAM-DEL/2 TO LAM+DEL/2	F - AVE FLUX	FROM LAM-DEL/2 TO LAM+DEL/2	F - AVE FLUX	FROM LAM-DEL/2 TO LAM+DEL/2	F - AVE FLUX	FROM LAM-DEL/2 TO LAM+DEL/2	F - AVE FLUX	FROM LAM-DEL/2 TO LAM+DEL/2	F - AVE FLUX	FROM LAM-DEL/2 TO LAM+DEL/2	F - AVE FLUX	FROM LAM-DEL/2 TO LAM+DEL/2	F - AVE FLUX	FROM LAM-DEL/2 TO LAM+DEL/2	F - AVE FLUX	FROM LAM-DEL/2 TO LAM+DEL/2	F - AVE FLUX	FROM LAM-DEL/2 TO LAM+DEL/2	F - AVE FLUX	FROM LAM-DEL/2 TO LAM+DEL/2	F - AVE FLUX	FROM LAM-DEL/2 TO LAM+DEL/2	F - AVE FLUX	FROM LAM-DEL/2 TO LAM+DEL/2	F - AVE FLUX	FROM LAM-DEL/2 TO LAM+DEL/2	F - AVE FLUX	FROM LAM-DEL/2 TO LAM+DEL/2	F - AVE FLUX	FROM LAM-DEL/2 TO LAM+DEL/2	F - AVE FLUX	FROM LAM-DEL/2 TO LAM+DEL/2	F - AVE FLUX	FROM LAM-DEL/2 TO LAM+DEL/2	F - AVE FLUX	FROM LAM-DEL/2 TO LAM+DEL/2	F - AVE FLUX	FROM LAM-DEL/2 TO LAM+DEL/2	F - AVE FLUX	FROM LAM-DEL/2 TO LAM+DEL/2	F - AVE FLUX	FROM LAM-DEL/2 TO LAM+DEL/2	F - AVE FLUX	FROM LAM-DEL/2 TO LAM+DEL/2	F - AVE FLUX	FROM LAM-DEL/2 TO LAM+DEL/2	F - AVE FLUX	FROM LAM-DEL/2 TO LAM+DEL/2	F - AVE FLUX	FROM LAM-DEL/2 TO LAM+DEL/2	F - AVE FLUX	FROM LAM-DEL/2 TO LAM+DEL/2	F - AVE FLUX	FROM LAM-DEL/2 TO LAM+DEL/2	F - AVE FLUX	FROM LAM-DEL/2 TO LAM+DEL/2	F - AVE FLUX	FROM LAM-DEL/2 TO LAM+DEL/2	F - AVE FLUX	FROM LAM-DEL/2 TO LAM+DEL/2	F - AVE FLUX	FROM LAM-DEL/2 TO LAM+DEL/2	F - AVE FLUX	FROM LAM-DEL/2 TO LAM+DEL/2	F - AVE FLUX	FROM LAM-DEL/2 TO LAM+DEL/2	F - AVE FLUX	FROM LAM-DEL/2 TO LAM+DEL/2	F - AVE FLUX	FROM LAM-DEL/2 TO LAM+DEL/2	F - AVE FLUX	FROM LAM-DEL/2 TO LAM+DEL/2	F - AVE FLUX	FROM LAM-DEL/2 TO LAM+DEL/2	F - AVE FLUX	FROM LAM-DEL/2 TO LAM+DEL/2	F - AVE FLUX	FROM LAM-DEL/2 TO LAM+DEL/2	F - AVE FLUX	FROM LAM-DEL/2 TO LAM+DEL/2	F - AVE FLUX	FROM LAM-DEL/2 TO LAM+DEL/2	F - AVE FLUX	FROM LAM-DEL/2 TO LAM+DEL/2	F - AVE FLUX	FROM LAM-DEL/2 TO LAM+DEL/2	F - AVE FLUX	FROM LAM-DEL/2 TO LAM+DEL/2	F - AVE FLUX	FROM LAM-DEL/2 TO LAM+DEL/2	F - AVE FLUX	FROM LAM-DEL/2 TO LAM+DEL/2	F - AVE FLUX	FROM LAM-DEL/2 TO LAM+DEL/2	F - AVE FLUX	FROM LAM-DEL/2 TO LAM+DEL/2	F - AVE FLUX	FROM LAM-DEL/2 TO LAM+DEL/2	F - AVE FLUX	FROM LAM-DEL/2 TO LAM+DEL/2	F - AVE FLUX	FROM LAM-DEL/2 TO LAM+DEL/2	F - AVE FLUX	FROM LAM-DEL/2 TO LAM+DEL/2	F - AVE FLUX	FROM LAM-DEL/2 TO LAM+DEL/2	F - AVE FLUX	FROM LAM-DEL/2 TO LAM+DEL/2	F - AVE FLUX	FROM LAM-DEL/2 TO LAM+DEL/2	F - AVE FLUX	FROM LAM-DEL/2 TO LAM+DEL/2	F - AVE FLUX	FROM LAM-DEL/2 TO LAM+DEL/2	F - AVE FLUX	FROM LAM-DEL/2 TO LAM+DEL/2	F - AVE FLUX	FROM LAM-DEL/2 TO LAM+DEL/2	F - AVE FLUX	FROM LAM-DEL/2 TO LAM+DEL/2	F - AVE FLUX	FROM LAM-DEL/2 TO LAM+DEL/2	F - AVE FLUX	FROM LAM-DEL/2 TO LAM+DEL/2	F - AVE FLUX	FROM LAM-DEL/2 TO LAM+DEL/2	F - AVE FLUX	FROM LAM-DEL/2 TO LAM+DEL/2	F - AVE FLUX	FROM LAM-DEL/2 TO LAM+DEL/2	F - AVE FLUX	FROM LAM-DEL/2 TO LAM+DEL/2	F - AVE FLUX	FROM LAM-DEL/2 TO LAM+DEL/2	F - AVE FLUX	FROM LAM-DEL/2 TO LAM+DEL/2	F - AVE FLUX	
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R = 1.74+-



HD 149499

HD 149499

HD 149499

LAMBDA	F	(WT, SIG)	F = AVE FLUX FROM LAM-DEL/2 TO LAM+DEL/2		
1975	0.00E+00	(0.0 0.0)	1980	0.00E+00	(0.0 0.0)
2000	2.18E-12	(.2 0.0)	2005	2.59E-12	(.3 0.0)
2025	2.74E-12	(.3 0.0)	2030	2.50E-12	(.3 0.0)
2050	2.45E-12	(.3 0.0)	2055	2.38E-12	(.3 0.0)
2075	2.23E-12	(.3 0.0)	2080	1.77E-12	(.3 0.0)
2100	1.91E-12	(.3 0.0)	2105	2.13E-12	(.3 0.0)
2125	1.69E-12	(.3 0.0)	2130	1.81E-12	(.3 0.0)
2150	2.05E-12	(.3 0.0)	2155	2.00E-12	(.3 0.0)
2175	1.75E-12	(.3 0.0)	2180	1.41E-12	(.3 0.0)
2200	1.29E-12	(.3 0.0)	2205	1.64E-12	(.3 0.0)
2225	1.73E-12	(.3 0.0)	2230	1.83E-12	(.3 0.0)
2250	1.68E-12	(.3 0.0)	2255	1.53E-12	(.3 0.0)
2275	1.21E-12	(.3 0.0)	2280	1.26E-12	(.3 0.0)
2300	1.23E-12	(.3 0.0)	2305	1.21E-12	(.3 0.0)
2350	1.23E-12	(.3 0.0)	2310	1.26E-12	(.3 0.0)
2350	1.28E-12	(.3 0.0)	2360	1.43E-12	(.3 0.0)
2400	9.01E-13	(.3 0.0)	2410	1.03E-12	(.3 0.0)
2450	1.17E-12	(.3 0.0)	2460	1.23E-12	(.3 0.0)
2500	1.17E-12	(.3 0.0)	2510	1.07E-12	(.3 0.0)
2550	8.87E-13	(.3 0.0)	2560	1.02E-12	(.3 0.0)
2600	8.86E-13	(.3 0.0)	2610	1.11E-12	(.3 0.0)
2650	9.48E-13	(.3 0.0)	2660	9.06E-13	(.3 0.0)
2700	1.04E-12	(.3 0.0)	2710	1.04E-12	(.3 0.0)
2750	8.02E-13	(.3 0.0)	2760	7.84E-13	(.3 0.0)
2800	9.30E-13	(.3 0.0)	2810	9.35E-13	(.3 0.0)
2850	7.87E-13	(.3 0.0)	2860	7.51E-13	(.3 0.0)
2900	9.31E-13	(.3 0.0)	2910	9.12E-13	(.3 0.0)
2950	8.54E-13	(.3 0.0)	2960	8.84E-13	(.3 0.0)
3000	8.27E-13	(.3 0.0)	3010	8.04E-13	(.3 0.0)
3000	8.28E-13	(.3 0.0)	3020	7.92E-13	(.3 0.0)
3100	8.24E-13	(.3 0.0)	3120	8.34E-13	(.3 0.0)
3200	8.25E-13	(.3 0.0)	3220	8.36E-13	(.2 0.0)
3300	9.02E-13	(.2 0.0)	3320	9.72E-13	(.2 0.0)
3400	7.17E-13	(.2 0.0)	3420	7.22E-13	(.2 0.0)
3500	7.06E-13	(.2 0.0)	3520	6.87E-13	(.2 0.0)
3600	5.04E-13	(.2 0.0)	3620	6.58E-13	(.2 0.0)
3700	5.23E-13	(.3 0.0)	3720	5.00E-13	(.3 0.0)
3800	4.75E-13	(.3 0.0)	3820	4.75E-13	(.3 0.0)
3900	4.62E-13	(.3 0.0)	3920	4.48E-13	(.3 0.0)
4000	4.64E-13	(.3 0.0)	4020	4.92E-13	(.3 0.0)
4100	5.69E-13	(.3 0.0)	0.0	0.00E+00	(0.0 0.0)
135	0.00E+00	(0.0 0.0)	139	0.00E+00	(0.0 0.0)
166	0.00E+00	(0.0 0.0)	172	0.00E+00	(0.0 0.0)
219	8.35E-13	(.3 0.0)	245	8.79E-13	(.3 0.0)
148	0.00E+00	(0.0 0.0)	181	0.00E+00	(0.0 0.0)
280	9.00E-13	(.3 0.0)	280	9.00E-13	(.3 0.0)
154	0.00E+00	(0.0 0.0)	192	0.00E+00	(0.0 0.0)
360	9.30E-13	(.3 0.0)	360	9.30E-13	(.3 0.0)
1995U	5.64E-13	(.1 0.0)	1995U	5.64E-13	(.1 0.0)
2020	2.27E-12	(.3 0.0)	2020	2.27E-12	(.3 0.0)
2045	2.18E-12	(.3 0.0)	2045	2.18E-12	(.3 0.0)
2070	2.37E-12	(.3 0.0)	2070	2.37E-12	(.3 0.0)
2095	1.50E-12	(.3 0.0)	2095	1.50E-12	(.3 0.0)
2120	1.64E-12	(.3 0.0)	2120	1.64E-12	(.3 0.0)
2145	2.16E-12	(.3 0.0)	2145	2.16E-12	(.3 0.0)
2170	2.01E-12	(.3 0.0)	2170	2.01E-12	(.3 0.0)
2195	1.03E-12	(.3 0.0)	2195	1.03E-12	(.3 0.0)
2220	1.73E-12	(.3 0.0)	2220	1.73E-12	(.3 0.0)
2245	1.78E-12	(.3 0.0)	2245	1.78E-12	(.3 0.0)
2270	1.19E-12	(.3 0.0)	2270	1.19E-12	(.3 0.0)
2295	1.27E-12	(.3 0.0)	2295	1.27E-12	(.3 0.0)
0	0.00E+00	(0.0 0.0)	0	0.00E+00	(0.0 0.0)
2330	1.43E-12	(.3 0.0)	2330	1.43E-12	(.3 0.0)
2380	1.05E-12	(.3 0.0)	2380	1.05E-12	(.3 0.0)
2430	1.12E-12	(.3 0.0)	2430	1.12E-12	(.3 0.0)
2480	1.05E-12	(.3 0.0)	2480	1.05E-12	(.3 0.0)
2530	8.62E-13	(.3 0.0)	2530	8.62E-13	(.3 0.0)
2580	9.82E-13	(.3 0.0)	2580	9.82E-13	(.3 0.0)
2630	1.23E-12	(.3 0.0)	2630	1.23E-12	(.3 0.0)
2680	9.21E-13	(.3 0.0)	2680	9.21E-13	(.3 0.0)
2730	9.49E-13	(.3 0.0)	2730	9.49E-13	(.3 0.0)
2780	8.92E-13	(.3 0.0)	2780	8.92E-13	(.3 0.0)
2830	9.26E-13	(.3 0.0)	2830	9.26E-13	(.3 0.0)
2880	8.41E-13	(.3 0.0)	2880	8.41E-13	(.3 0.0)
2930	8.29E-13	(.3 0.0)	2930	8.29E-13	(.3 0.0)
2980	8.81E-13	(.3 0.0)	2980	8.81E-13	(.3 0.0)
3030	7.93E-13	(.3 0.0)	3030	7.93E-13	(.3 0.0)
3060	8.85E-13	(.3 0.0)	3060	8.85E-13	(.3 0.0)
3160	7.90E-13	(.3 0.0)	3160	7.90E-13	(.3 0.0)
3260	7.91E-13	(.2 0.0)	3260	7.91E-13	(.2 0.0)
3360	8.76E-13	(.2 0.0)	3360	8.76E-13	(.2 0.0)
3460	7.03E-13	(.2 0.0)	3460	7.03E-13	(.2 0.0)
3560	6.38E-13	(.2 0.0)	3560	6.38E-13	(.2 0.0)
3660	5.98E-13	(.3 0.0)	3660	5.98E-13	(.3 0.0)
3760	4.81E-13	(.3 0.0)	3760	4.81E-13	(.3 0.0)
3860	4.78E-13	(.3 0.0)	3860	4.78E-13	(.3 0.0)
3960	4.33E-13	(.3 0.0)	3960	4.33E-13	(.3 0.0)
4060	5.44E-13	(.3 0.0)	4060	5.44E-13	(.3 0.0)
4080	5.62E-13	(.3 0.0)	4080	5.62E-13	(.3 0.0)
0	0.00E+00	(0.0 0.0)	0	0.00E+00	(0.0 0.0)
161	0.00E+00	(0.0 0.0)	161	0.00E+00	(0.0 0.0)
204	0.00E+00	(0.0 0.0)	204	0.00E+00	(0.0 0.0)
0	0.00E+00	(0.0 0.0)	0	0.00E+00	(0.0 0.0)

X,Y(MM) -5.8 -14.7 SL3-224 2 SCANS, T= 270 HD 149499 WT .3, SCALE 1.00

R = &lt;1.00&gt;

LAMBDA, F ( WT, SIG)				F = AVE FLUX FROM LAM-DEL/2 TO LAM-DEL/2				LAMBDA, F ( WT, SIG)				F = AVE FLUX FROM LAM-DEL/2 TO LAM-DEL/2				LAMBDA, F ( WT, SIG)				F = AVE FLUX FROM LAM-DEL/2 TO LAM-DEL/2																																																																																																																																																																																																																																																																																																																																																																																																											
1450U	2.13E-10	(.3	0.0)	1452U	2.47E-10	(.3	0.0)	1454U	2.46E-10	(.5	0.0)	1456U	2.02E-10	(.3	0.0)	1458U	2.42E-10	(.4	0.0)	1460U	2.42E-10	(.5	0.0)	1462U	2.50E-10	(.5	0.0)	1464U	2.54E-10	(.6	0.0)	1466U	2.53E-10	(.5	0.0)	1468U	2.54E-10	(.6	0.0)	1470U	2.69E-10	(.6	0.0)	1472U	2.96E-10	(.6	0.0)	1474U	2.61E-10	(.6	0.0)	1476U	2.45E-10	(.6	0.0)	1478U	2.16E-10	(.6	0.0)	1480U	2.64E-10	(.6	0.0)	1482U	2.56E-10	(.6	0.0)	1484U	2.70E-10	(.6	0.0)	1486U	2.36E-10	(.6	0.0)	1488U	2.16E-10	(.6	0.0)	1490U	2.32E-10	(.6	0.0)	1492U	2.21E-10	(.6	0.0)	1494U	2.29E-10	(.6	0.0)	1496U	2.10E-10	(.5	0.0)	1498U	1.91E-10	(.5	0.0)	1500U	2.02E-10	(.5	0.0)	1502U	2.03E-10	(.6	0.0)	1504U	2.32E-10	(.6	0.0)	1506U	2.60E-10	(.7	0.0)	1508U	2.31E-10	(.7	0.0)	1510U	2.06E-10	(.7	0.0)	1512U	2.21E-10	(.6	0.0)	1514U	2.12E-10	(.7	0.0)	1516U	2.10E-10	(.7	0.0)	1518U	2.30E-10	(.8	0.0)	1520U	2.51E-10	(.7	0.0)	1522U	2.12E-10	(.8	0.0)	1524U	2.12E-10	(.8	0.0)	1526U	2.04E-10	(.7	0.0)	1528U	1.95E-10	(.7	0.0)	1530U	1.47E-10	(.6	0.0)	1532U	1.63E-10	(.7	0.0)	1534U	1.75E-10	(.7	0.0)	1536U	1.89E-10	(.7	0.0)	1538U	1.69E-10	(.7	0.0)	1540U	1.79E-10	(.7	0.0)	1542U	1.81E-10	(.7	0.0)	1544U	1.82E-10	(.7	0.0)	1546U	1.83E-10	(.7	0.0)	1548U	1.74E-10	(.7	0.0)	1550U	1.52E-10	(.6	0.0)	1552U	1.52E-10	(.6	0.0)	1554U	1.63E-10	(.7	0.0)	1556U	1.78E-10	(.9	0.0)	1558U	1.73E-10	(.7	0.0)	1560U	1.73E-10	(.7	0.0)	1562U	1.71E-10	(.7	0.0)	1564U	1.64E-10	(.8	0.0)	1566U	1.78E-10	(.9	0.0)	1568U	1.78E-10	(.9	0.0)	1570U	1.77E-10	(.9	0.0)	1572U	1.82E-10	(.9	0.0)	1574U	1.82E-10	(.9	0.0)	1576U	1.83E-10	(.9	0.0)	1578U	1.88E-10	(.9	0.0)	1580U	1.80E-10	(.9	0.0)	1582U	1.77E-10	(.9	0.0)	1584U	1.63E-10	(.9	0.0)	1586U	1.60E-10	(.9	0.0)	1588U	1.60E-10	(.9	0.0)	1590U	1.59E-10	(.9	0.0)	1592U	1.72E-10	(.9	0.0)	1594U	1.60E-10	(.9	0.0)	1596U	1.49E-10	(.9	0.0)	1598U	1.52E-10	(.9	0.0)	1600U	1.50E-10	(.9	0.0)	1602U	1.50E-10	(.9	0.0)	1604U	1.50E-10	(.9	0.0)	1606U	1.50E-10	(.9	0.0)	1608U	1.48E-10	(.9	0.0)	1610U	1.41E-10	(.9	0.0)	1612U	1.41E-10	(.9	0.0)	1614U	1.41E-10	(.9	0.0)	1616U	1.48E-10	(.9	0.0)	1618U	1.48E-10	(.9	0.0)	1620U	1.34E-10	(.9	0.0)	1622U	1.29E-10	(.8	0.0)	1624U	1.33E-10	(.9	0.0)	1626U	1.40E-10	(.9	0.0)	1628U	1.48E-10	(.9	0.0)	1630U	1.49E-10	(.9	0.0)	1632U	1.48E-10	(.9	0.0)	1634U	1.46E-10	(.9	1.6)	1636U	1.38E-10	(.9	2.0)	1638U	1.35E-10	(.9	2.3)	1640U	1.38E-10	(.9	1.5)	1642U	1.36E-10	(.9	3.4)	1644U	1.35E-10	(.9	1.0)	1646U	1.51E-10	(.9	5.7)	1648U	1.62E-10	(.9	4.7)	1650U	1.58E-10	(.9	6.4)	1652U	1.49E-10	(.9	9.4)	1654U	1.43E-10	(.9	9.4)	1656U	1.41E-10	(.9	10.0)

X, Y (MM)	-11.4	-11.1	SL3- 64	16 SCANS, T= 225: HR 6174	WT .9, SCALE 1.14
X, Y (MM)	-11.4	-11.1	SL3- 65	16 SCANS, T= 77: HR 6174	WT .9, SCALE .98
X, Y (MM)	-7.8	19.4	SL3-103	17 SCANS, T= 233: HR 6174	WT .9, SCALE .76

R = 1.00

L3480 F (WT, SIG)				F = AVE FLUX FROM LAM-DEL/2 TO LAM-DEL/2										
1340U	2.84E-09	(3.7)	1342U	2.40E-09	(3.8)	1344U	2.00E-09	(3.10)	1346U	2.09E-09	(3.11)	1348U	2.46E-09	(4.2)
1350U	2.89E-09	(4.7)	1352U	2.49E-09	(4.0)	1354U	2.51E-09	(4.5)	1356U	2.29E-09	(4.9)	1358U	2.05E-09	(4.13)
1360U	2.31E-09	(5.9)	1362U	2.50E-09	(5.15)	1364U	2.68E-09	(6.10)	1366U	2.67E-09	(6.16)	1368U	2.57E-09	(6.15)
1370U	2.35E-09	(5.15)	1372U	2.41E-09	(5.10)	1374U	1.80E-09	(5.7)	1376U	2.05E-09	(4.17)	1378U	2.14E-09	(5.10)
1380U	2.22E-09	(5.5)	1382U	2.59E-09	(6.4)	1384U	2.37E-09	(6.21)	1386U	2.39E-09	(6.23)	1388U	2.45E-09	(6.6)
1390U	2.12E-09	(6.5)	1392U	2.24E-09	(6.1)	1394U	2.04E-09	(7.22)	1396U	2.55E-09	(8.6)	1398U	2.92E-09	(9.13)
1400U	2.84E-09	(9.14)	1402U	2.85E-09	(8.1)	1404U	2.51E-09	(5.4)	1406U	2.71E-09	(9.14)	1408U	2.53E-09	(9.4)
1410U	2.16E-09	(5.9)	1412U	2.55E-09	(8.12)	1414U	2.34E-09	(5.9)	1416U	2.14E-09	(5.8)	1418U	2.10E-09	(5.2)
1420U	2.07E-09	(9.5)	1422U	2.16E-09	(1.0)	1424U	2.55E-09	(1.1)	1426U	2.60E-09	(1.1)	1428U	2.58E-09	(1.2)
1430U	2.66E-09	(1.3)	1432U	2.53E-09	(1.2)	1434U	2.62E-09	(1.2)	1436U	2.73E-09	(1.3)	1438U	2.81E-09	(1.3)
1440U	2.68E-09	(1.3)	1442U	2.69E-09	(1.3)	1444U	2.56E-09	(1.4)	1446U	2.87E-09	(1.4)	1448U	2.77E-09	(1.4)
1450U	2.72E-09	(1.4)	1452U	2.63E-09	(1.4)	1454U	2.72E-09	(1.4)	1456U	2.77E-09	(1.4)	1458U	2.65E-09	(1.5)
1460U	2.81E-09	(1.5)	1462U	2.93E-09	(1.6)	1464U	2.81E-09	(1.5)	1466U	2.78E-09	(1.5)	1468U	2.79E-09	(1.5)
1470U	2.65E-09	(1.5)	1472U	2.55E-09	(1.6)	1474U	2.75E-09	(1.6)	1476U	2.81E-09	(1.7)	1478U	2.82E-09	(1.8)
1480U	2.50E-09	(1.5)	1482U	2.47E-09	(1.6)	1484U	2.41E-09	(2.2)	1486U	2.45E-09	(2.2)	1488U	2.42E-09	(2.2)
1490U	3.00E-09	(2.10)	1492U	3.09E-09	(2.11)	1494U	2.95E-09	(2.1)	1496U	2.86E-09	(2.1)	1498U	2.98E-09	(2.2)
1500U	3.92E-09	(2.15)	1502U	3.95E-09	(2.15)	1504U	3.13E-09	(2.10)	1506U	3.21E-09	(2.10)	1508U	3.34E-09	(2.3)
1510U	3.27E-09	(2.2)	1512U	3.07E-09	(2.2)	1514U	3.04E-09	(2.2)	1516U	2.98E-09	(2.1)	1518U	3.10E-09	(2.3)
1520U	3.16E-09	(2.1)	1522U	3.08E-09	(2.1)	1524U	3.02E-09	(2.1)	1526U	2.94E-09	(2.1)	1528U	2.75E-09	(2.1)
1530U	2.49E-09	(2.1)	1532U	2.54E-09	(2.1)	1534U	2.51E-09	(2.1)	1536U	2.29E-09	(2.1)	1538U	2.28E-09	(2.1)
1540U	2.15E-09	(2.1)	1542U	1.84E-09	(2.1)	1544U	1.65E-09	(2.0)	1546U	1.56E-09	(1.9)	1548U	1.52E-09	(1.9)
1550U	2.50E-09	(2.3)	1552U	2.88E-09	(2.1)	1554U	2.55E-09	(2.2)	1556U	2.22E-09	(2.2)	1558U	2.27E-09	(2.2)
1560U	2.30E-09	(2.3)	1562U	2.20E-09	(2.3)	1564U	2.19E-09	(2.3)	1566U	2.22E-09	(2.3)	1568U	2.27E-09	(2.3)
1570U	2.42E-09	(2.3)	1572U	2.54E-09	(2.3)	1574U	2.55E-09	(2.3)	1576U	2.57E-09	(2.3)	1578U	2.63E-09	(2.3)
1580U	2.64E-09	(2.3)	1582U	2.59E-09	(2.3)	1584U	2.67E-09	(2.3)	1586U	2.76E-09	(2.4)	1588U	2.73E-09	(2.4)

$$R = 1.10$$

$$R = 0.79$$

HD 150136

HR 6187

HD 150136

LAMBDA, F (WT, SIG)	F = AVE FLUX FROM LAM-DEL/2 TO LAM+DEL/2		
1390U 6.19E-11(0.1 0.0)	1392U 3.96E-11(0.1 0.0)	1394U 1.69E-10(0.1 0.0)	1396U 1.58E-10(0.1 0.0)
1400U 3.76E-10(0.2 0.0)	1402U 3.51E-10(0.2 0.0)	1404U 2.82E-10(0.2 0.0)	1406U 4.10E-10(0.2 0.0)
1410U 3.70E-10(0.3 0.0)	1412U 3.46E-10(0.2 0.0)	1414U 2.52E-10(0.1 0.0)	1416U 7.69E-11(0.1 0.0)
1420U 1.63E-10(0.3 0.0)	1422U 1.49E-10(0.3 0.0)	1424U 1.95E-10(0.3 0.0)	1426U 2.23E-10(0.3 0.0)
1430U 2.05E-10(0.1 0.0)	1432U 2.33E-10(0.2 0.0)	1434U 2.87E-10(0.2 0.0)	1436U 2.72E-10(0.3 0.0)
1440U 2.06E-10(0.2 0.0)	1442U 2.13E-10(0.2 0.0)	1444U 1.81E-10(0.1 0.0)	1446U 2.08E-10(0.1 0.0)
1450U 2.01E-10(0.1 0.0)	1452U 1.52E-10(0.1 0.0)	1454U 1.37E-10(0.1 0.0)	1456U 1.44E-10(0.1 0.0)
1460U 1.68E-10(0.2 0.0)	1462U 2.04E-10(0.2 0.0)	1464U 2.21E-10(0.2 0.0)	1466U 2.10E-10(0.2 0.0)
1470U 1.98E-10(0.3 0.0)	1472U 2.33E-10(0.4 0.0)	1474U 2.55E-10(0.4 0.0)	1476U 2.52E-10(0.4 0.0)
1480U 2.07E-10(0.4 0.0)	1482U 2.34E-10(0.4 0.0)	1484U 2.48E-10(0.5 0.0)	1486U 2.75E-10(0.6 0.0)
1490U 2.87E-10(0.7 0.0)	1492U 2.74E-10(0.7 0.0)	1494U 2.70E-10(0.7 0.0)	1496U 2.73E-10(0.7 0.0)
1500U 2.71E-10(0.7 0.0)	1502U 2.91E-10(0.8 0.0)	1504U 2.98E-10(0.8 0.0)	1506U 3.17E-10(0.9 0.0)
1510U 3.43E-10(1.0 0.0)	1512U 3.12E-10(1.0 0.0)	1514U 2.91E-10(0.9 0.0)	1516U 2.74E-10(0.9 0.0)
1520U 2.93E-10(1.0 0.0)	1522U 3.01E-10(1.0 0.0)	1524U 2.91E-10(1.0 0.0)	1526U 2.49E-10(0.8 0.0)
1530U 2.15E-10(0.6 0.0)	1532U 1.77E-10(0.4 0.0)	1534U 1.17E-10(0.3 0.0)	1536U 1.02E-10(0.2 0.0)
1540U 9.83E-11(0.2 0.0)	1542U 1.04E-10(0.2 0.0)	1544U 1.24E-10(0.4 0.0)	1546U 1.67E-10(0.5 0.0)
1550U 2.34E-10(0.9 0.0)	1552U 2.65E-10(1.0 0.0)	1554U 2.92E-10(1.0 0.0)	1556U 3.02E-10(1.0 0.0)
1560U 2.99E-10(1.0 0.0)	1562U 2.90E-10(1.0 0.0)	1564U 2.79E-10(1.0 0.0)	1566U 2.75E-10(1.0 0.0)
1570U 2.58E-10(1.0 0.0)	1572U 2.63E-10(1.0 0.0)	1574U 2.65E-10(1.0 0.0)	1576U 2.70E-10(1.0 0.0)
1580U 2.63E-10(1.0 0.0)	1582U 2.59E-10(1.0 0.0)	1584U 2.64E-10(1.0 0.0)	1586U 2.62E-10(1.0 0.0)
1590U 2.48E-10(1.0 0.0)	1592U 2.47E-10(1.0 0.0)	1594U 2.51E-10(1.0 0.0)	1596U 2.46E-10(1.0 0.0)
1600U 2.26E-10(1.0 0.0)	1602U 2.34E-10(1.0 0.0)	1604U 2.37E-10(1.0 0.0)	1606U 2.20E-10(1.0 0.0)
1610U 2.25E-10(1.0 0.0)	1612U 2.22E-10(1.0 0.0)	1614U 2.14E-10(1.0 0.0)	1616U 2.09E-10(1.0 0.0)
1620U 2.15E-10(1.0 0.0)	1622U 2.13E-10(1.0 0.0)	1624U 2.21E-10(1.0 0.0)	1626U 2.19E-10(1.0 0.0)
1630U 2.15E-10(1.0 0.0)	1632U 2.13E-10(1.0 0.0)	1634U 2.07E-10(1.0 0.0)	1636U 2.09E-10(1.0 0.0)
1640U 2.19E-10(1.0 0.0)	1642U 2.18E-10(1.0 0.0)	1644U 2.18E-10(1.0 0.0)	1646U 2.17E-10(1.0 0.0)
1650U 2.06E-10(1.0 0.0)	1652U 2.10E-10(1.0 0.0)	1654U 2.16E-10(1.0 0.0)	1656U 2.23E-10(1.0 0.0)
1660U 2.14E-10(1.0 0.0)	1662U 2.21E-10(1.0 0.0)	1664U 2.32E-10(1.0 0.0)	1666U 2.30E-10(1.0 0.0)
1670U 2.19E-10(1.0 0.0)	1672U 2.23E-10(1.0 0.0)	1674U 2.23E-10(1.0 0.0)	1676U 2.21E-10(1.0 0.0)
1680U 2.10E-10(1.0 0.0)	1682U 2.12E-10(1.0 0.0)	1684U 2.14E-10(1.0 0.0)	1686U 2.12E-10(1.0 0.0)
1690U 2.22E-10(1.0 0.0)	1692U 2.33E-10(1.0 0.0)	1694U 2.30E-10(1.0 0.0)	1696U 2.16E-10(1.0 0.0)
1700U 2.15E-10(1.0 0.0)	1702U 2.14E-10(1.0 0.0)	1704U 2.02E-10(1.0 0.0)	1706U 1.90E-10(1.0 0.0)
1710U 1.80E-10(1.0 0.0)	1712U 1.80E-10(1.0 0.0)	1714U 1.88E-10(1.0 0.0)	1716U 1.70E-10(1.0 0.0)
1720U 1.67E-10(1.0 0.0)	1722U 1.68E-10(1.0 0.0)	1724U 1.74E-10(1.0 0.0)	1726U 1.86E-10(1.0 0.0)
1730U 1.99E-10(1.0 0.0)	1732U 2.00E-10(1.0 0.0)	1734U 1.98E-10(1.0 0.0)	1736U 1.95E-10(1.0 0.0)
1740U 1.97E-10(1.0 0.0)	1742U 1.99E-10(1.0 0.0)	1744U 2.02E-10(1.0 0.0)	1746U 2.04E-10(1.0 0.0)
1750U 1.93E-10(1.0 0.0)	1752U 1.93E-10(1.0 0.0)	1754U 1.90E-10(1.0 0.0)	1756U 1.84E-10(1.0 0.0)
1760U 1.88E-10(1.0 0.0)	1762U 1.91E-10(1.0 0.0)	1764U 1.90E-10(1.0 0.0)	1766U 1.85E-10(1.0 0.0)
1770U 1.73E-10(1.0 0.0)	1772U 1.70E-10(1.0 0.0)	1774U 1.68E-10(1.0 0.0)	1776U 1.65E-10(1.0 0.0)
1780U 1.64E-10(1.0 0.0)	1782U 1.71E-10(1.0 0.0)	1784U 1.71E-10(1.0 0.0)	1786U 1.71E-10(1.0 0.0)
1790U 1.67E-10(1.0 0.0)	1792U 1.67E-10(1.0 0.0)	1794U 1.79E-10(1.0 0.0)	1796U 1.79E-10(1.0 0.0)
1800U 1.55E-10(1.0 0.0)	1802U 1.55E-10(1.0 0.0)	1804U 1.57E-10(1.0 0.0)	1806U 1.61E-10(1.0 0.0)
1810U 1.60E-10(1.0 0.0)	1812U 1.59E-10(1.0 0.0)	1814U 1.58E-10(1.0 0.0)	1816U 1.58E-10(1.0 0.0)
1820U 1.58E-10(1.0 0.0)	1822U 1.59E-10(1.0 0.0)	1824U 1.59E-10(1.0 0.0)	1826U 1.58E-10(1.0 0.0)
1800U 1.55E-10(1.0 0.0)	1805U 1.59E-10(1.0 0.0)	1810U 1.60E-10(1.0 0.0)	1815U 1.58E-10(1.0 0.0)
1825U 1.57E-10(1.0 0.0)	1830U 1.58E-10(1.0 0.0)	1835U 1.63E-10(1.0 0.0)	1840U 1.65E-10(1.0 0.0)
1850U 1.45E-10(1.0 0.0)	1855U 1.45E-10(1.0 0.0)	1860U 1.45E-10(1.0 0.0)	1865U 1.45E-10(1.0 0.0)
1875U 1.44E-10(1.0 0.0)	1880U 1.44E-10(1.0 0.0)	1885U 1.40E-10(1.0 0.0)	1890U 1.40E-10(1.0 0.0)
1900U 1.33E-10(1.0 0.0)	1905U 1.31E-10(1.0 0.0)	1910U 1.32E-10(1.0 0.0)	1915U 1.32E-10(1.0 0.0)
1925U 1.26E-10(1.0 0.0)	1930U 1.23E-10(1.0 0.0)	1935U 1.22E-10(1.0 0.0)	1940U 1.19E-10(1.0 0.0)
1950U 1.09E-10(1.0 0.0)	1955U 1.08E-10(1.0 0.0)	1960U 1.05E-10(1.0 0.0)	1965U 1.02E-10(1.0 0.0)
1975U 9.30E-11(1.0 0.0)	1980U 9.08E-11(1.0 0.0)	1985U 8.97E-11(1.0 0.0)	1990U 8.66E-11(1.0 0.0)
2000U 8.07E-11(1.0 0.0)	2005U 7.77E-11(1.0 0.0)	2010U 7.63E-11(1.0 0.0)	2015U 7.71E-11(1.0 0.0)
2025U 7.22E-11(1.0 0.0)	2030U 6.99E-11(1.0 0.0)	2035U 6.86E-11(1.0 0.0)	2040U 6.09E-11(1.0 0.0)
2050U 5.99E-11(1.0 0.0)	2055U 5.65E-11(1.0 0.0)	2060U 5.78E-11(1.0 0.0)	2065U 5.66E-11(1.0 0.0)
2075U 5.11E-11(1.0 0.0)	2080U 5.00E-11(1.0 0.0)	2085U 4.97E-11(1.0 0.0)	2090U 4.85E-11(1.0 0.0)
2100U 4.53E-11(1.0 0.0)	2105U 4.49E-11(1.0 0.0)	2110U 4.44E-11(1.0 0.0)	2115U 4.35E-11(1.0 0.0)
2125U 4.17E-11(1.0 0.0)	2130U 4.11E-11(1.0 0.0)	2135U 4.08E-11(1.0 0.0)	2140U 4.06E-11(1.0 0.0)
2150U 3.82E-11(1.0 0.0)	2155U 3.65E-11(1.0 0.0)	2160U 3.50E-11(1.0 0.0)	2165U 3.36E-11(1.0 0.0)
2175U 3.15E-11(1.0 0.0)	2180U 3.10E-11(1.0 0.0)	2185U 3.11E-11(1.0 0.0)	2190U 3.18E-11(1.0 0.0)
2200U 3.34E-11(1.0 0.0)	2205U 3.35E-11(1.0 0.0)	2210U 3.27E-11(1.0 0.0)	2215U 3.13E-11(1.0 0.0)
2225U 2.99E-11(1.0 0.0)	2230U 3.07E-11(1.0 0.0)	2235U 3.19E-11(1.0 0.0)	2240U 3.27E-11(1.0 0.0)
2250U 3.22E-11(1.0 0.0)	2255U 3.22E-11(1.0 0.0)	2260U 3.22E-11(1.0 0.0)	2265U 3.20E-11(1.0 0.0)
2275U 3.26E-11(1.0 0.0)	2280U 3.35E-11(1.0 0.0)	2285U 3.43E-11(1.0 0.0)	2290U 3.46E-11(1.0 0.0)
2300U 3.43E-11(1.0 0.0)	2305U 3.49E-11(1.0 0.0)	2310U 3.64E-11(1.0 0.0)	2315U 3.82E-11(1.0 0.0)
2330U 3.44E-11(1.0 0.0)	2330U 3.65E-11(1.0 0.0)	2330U 3.92E-11(0.9 0.0)	2330U 3.95E-11(0.9 0.0)
2350U 4.09E-11(0.9 0.0)	2360U 4.30E-11(0.9 0.0)	2370U 4.40E-11(0.8 0.0)	2380U 4.39E-11(0.8 0.0)
2400U 5.06E-11(0.8 0.0)	2410U 5.15E-11(0.7 0.0)	2420U 5.16E-11(0.7 0.0)	2430U 5.28E-11(0.7 0.0)
2450U 6.05E-11(0.6 0.0)	2460U 6.51E-11(0.6 0.0)	2470U 6.66E-11(0.6 0.0)	2480U 6.76E-11(0.6 0.0)
2500U 6.63E-11(0.6 0.0)	2510U 6.69E-11(0.6 0.0)	2520U 6.90E-11(0.5 0.0)	2530U 7.14E-11(0.5 0.0)
2550U 7.13E-11(0.5 0.0)	2560U 7.13E-11(0.5 0.0)	2570U 7.44E-11(0.5 0.0)	2580U 7.82E-11(0.5 0.0)
2600E 8.46E-11(0.4 0.0)	2610E 8.69E-11(0.4 0.0)	2620E 8.79E-11(0.4 0.0)	2630E 8.61E-11(0.4 0.0)
2650E 8.46E-11(0.4 0.0)	2660E 8.69E-11(0.4 0.0)	2670E 8.61E-11(0.4 0.0)	2680E 8.35E-11(0.4 0.0)
2700E 8.27E-11(0.4 0.0)	2710E 8.44E-11(0.4 0.0)	2720E 8.62E-11(0.4 0.0)	2730E 8.72E-11(0.4 0.0)
2750E 9.12E-11(0.3 0.0)	2760E 9.50E-11(0.3 0.0)	2770E 9.90E-11(0.3 0.0)	2780E 1.02E-10(0.3 0.0)
2800E 1.05E-10(0.3 0.0)	2810E 1.07E-10(0.3 0.0)	2820E 1.11E-10(0.3 0.0)	2830E 1.16E-10(0.3 0.0)
2850E 1.21E-10(0.2 0.0)	2860E 1.21E-10(0.2 0.0)	2870E 1.20E-10(0.2 0.0)	2880E 1.17E-10(0.2 0.0)
2900E 1.14E-10(0.2 0.0)	2910E 1.15E-10(0.2 0.0)	2920E 1.17E-10(0.2 0.0)	2930E 1.19E-10(0.2 0.0)
2950E 1.20E-10(0.2 0.0)	2960E 1.22E-10(0.2 0.0)	2970E 1.26E-10(0.2 0.0)	2980E 1.30E-10(0.2 0.0)
3000E 1.34E-10(0.2 0.0)	3010E 1.32E-10(0.2 0.0)	3020E 1.27E-10(0.2 0.0)	3030E 1.21E-10(0.2 0.0)
3000E 1.34E-10(0.2 0.0)	3020E 1.27E-10(0.2 0.0)	3040E 1.16E-10(0.2 0.0)	3060E 1.13E-10(0.2 0.0)
3100E 1.31E-10(0.2 0.0)	3120E 1.44E-10(0.1 0.0)	3140E 1.48E-10(0.1 0.0)	3160E 1.42E-10(0.1 0.0)
3200E 1.56E-10(0.1 0.0)	3220E 1.69E-10(0.1 0.0)	3240E 1.71E-10(0.1 0.0)	3260E 1.69E-10(0.1 0.0)
135U 0.00(0.0 0.0)	139U 0.00(0.0 0.0)	148U 2.94(0.4 0.0)	154U 3.10(0.7 0.0)
166U 3.05(1.0 0.0)	172U 3.19(1.0 0.0)	181U 3.38(1.0 0.0)	192U 3.66(1.0 0.0)
219U 5.04(1.0 0.0)	245U 4.47(0.7 0.0)	280E 3.85(0.3 0.0)	360U 0.00(0.0 0.0)

X,Y(MM) -10.9 5.4 SL3- 63 19 SCANS, T= 225: HR 6187 WT 1.0, SCALE 1.00

R = 1.07

LAMBDA	F	(WT)	SIG	F = AVE FLUX FROM LAM-DEL/2 TO LAM+DEL/2
1380U	2.52E-10	1.0	0.0	1382U 2.81E-10 1.0 0.0
1390U	2.75E-10	1.0	0.0	1392U 2.46E-10 2.0 0.0
1400U	2.95E-10	3.0	0.0	1402U 3.18E-10 2.0 0.0
1410U	3.53E-10	3.0	0.0	1412U 3.31E-10 3.0 0.0
1420U	2.51E-10	2.0	0.0	1422U 2.84E-10 3.0 0.0
1430U	2.51E-10	3.0	0.0	1432U 2.69E-10 3.0 0.0
1440U	2.74E-10	5.0	0.0	1442U 2.67E-10 5.0 0.0
1450U	2.73E-10	6.0	0.0	1452U 2.52E-10 5.0 0.0
1460U	2.40E-10	5.0	0.0	1462U 2.36E-10 6.0 0.0
1470U	2.50E-10	6.0	0.0	1472U 2.68E-10 7.0 0.0
1480U	2.77E-10	8.0	0.0	1482U 2.76E-10 9.0 0.0
1490U	2.71E-10	9.0	0.0	1492U 2.55E-10 9.0 0.0
1500U	2.46E-10	8.0	0.0	1502U 2.29E-10 8.0 0.0
1510U	2.52E-10	10.0	0.0	1512U 2.42E-10 10.0 0.0
1520U	2.43E-10	10.0	0.0	1522U 2.17E-10 9.0 0.0
1530U	1.91E-10	8.0	0.0	1532U 1.84E-10 8.0 0.0
1540U	1.35E-10	6.0	0.0	1542U 1.26E-10 5.0 0.0
1550U	1.52E-10	6.0	0.0	1552U 1.50E-10 7.0 0.0
1560U	1.80E-10	10.0	0.0	1562U 1.66E-10 9.0 0.0
1570U	1.68E-10	10.0	0.0	1572U 1.65E-10 10.0 0.0
1580U	1.48E-10	10.0	0.0	1582U 1.60E-10 10.0 0.0
1590U	1.76E-10	10.0	0.0	1592U 1.72E-10 10.0 0.0
1600U	1.47E-10	10.0	0.0	1602U 1.47E-10 10.0 0.0
1610U	1.46E-10	10.0	0.0	1612U 1.45E-10 10.0 0.0
1620U	1.42E-10	10.0	0.0	1622U 1.32E-10 10.0 0.0
1630U	1.42E-10	10.0	0.0	1632U 1.40E-10 10.0 0.0
1640U	1.43E-10	10.0	0.0	1642U 1.41E-10 10.0 0.0
1650U	1.61E-10	10.0	0.0	1652U 1.67E-10 10.0 0.0
1660U	1.52E-10	10.0	0.0	1662U 1.56E-10 10.0 0.0
1670U	1.63E-10	10.0	0.0	1672U 1.70E-10 10.0 0.0
1680U	1.78E-10	10.0	0.0	1682U 1.77E-10 10.0 0.0
1690U	1.82E-10	10.0	0.0	1692U 1.80E-10 10.0 0.0
1700U	1.79E-10	10.0	0.0	1702U 1.87E-10 10.0 0.0
1710U	1.57E-10	10.0	0.0	1712U 1.57E-10 10.0 0.0
1720U	1.54E-10	10.0	0.0	1722U 1.54E-10 10.0 0.0
1730U	1.63E-10	10.0	0.0	1732U 1.62E-10 10.0 0.0
1740U	1.61E-10	10.0	0.0	1742U 1.63E-10 10.0 0.0
1750U	1.59E-10	10.0	0.0	1752U 1.61E-10 10.0 0.0
1760U	1.58E-10	10.0	0.0	1762U 1.58E-10 10.0 0.0
1770U	1.58E-10	10.0	0.0	1772U 1.53E-10 10.0 0.0
1780U	1.52E-10	10.0	0.0	1782U 1.48E-10 10.0 0.0
1790U	1.49E-10	10.0	0.0	1792U 1.48E-10 10.0 0.0
1800U	1.52E-10	10.0	0.0	1802U 1.49E-10 10.0 0.0
1810U	1.48E-10	10.0	0.0	1812U 1.47E-10 10.0 0.0
1820U	1.51E-10	10.0	0.0	1822U 1.50E-10 10.0 0.0
1830U	1.51E-10	10.0	0.0	1832U 1.47E-10 10.0 0.0
1840U	1.50E-10	10.0	0.0	1842U 1.51E-10 10.0 0.0
1850U	1.36E-10	10.0	0.0	1852U 1.30E-10 10.0 0.0
1860U	1.23E-10	10.0	0.0	1862U 1.22E-10 10.0 0.0
1870U	1.23E-10	10.0	0.0	1872U 1.22E-10 10.0 0.0
1880U	1.23E-10	10.0	0.0	1882U 1.22E-10 10.0 0.0
1890U	1.06E-10	10.0	0.0	1892U 1.02E-10 10.0 0.0
1900U	1.06E-10	10.0	0.0	1902U 1.02E-10 10.0 0.0
1910U	9.90E-11	10.0	0.0	1912U 9.99E-11 10.0 0.0
1920U	9.90E-11	10.0	0.0	1922U 9.99E-11 10.0 0.0
1930U	9.72E-11	10.0	0.0	1932U 9.64E-11 10.0 0.0
1940U	9.04E-11	10.0	0.0	1942U 9.14E-11 10.0 0.0
1950U	8.63E-11	10.0	0.0	1952U 8.58E-11 10.0 0.0
1960U	8.58E-11	10.0	0.0	1962U 8.54E-11 10.0 0.0
1970U	8.01E-11	10.0	0.0	1972U 8.06E-11 10.0 0.0
1980U	7.41E-11	10.0	0.0	1982U 7.28E-11 10.0 0.0
1990U	7.02E-11	9.0	0.0	1992U 7.03E-11 9.0 0.0
2000U	6.80E-11	9.0	0.0	2002U 6.99E-11 9.0 0.0
2010U	7.28E-11	8.0	0.0	2012U 7.22E-11 8.0 0.0
2020U	6.44E-11	9.0	0.0	2022U 6.36E-11 8.0 0.0
2030U	6.19E-11	8.0	0.0	2032U 6.18E-11 8.0 0.0
2040U	6.62E-11	8.0	0.0	2042U 6.62E-11 8.0 0.0
2050U	6.66E-11	8.0	0.0	2052U 6.50E-11 8.0 0.0
2060U	6.29E-11	7.0	0.0	2062U 6.30E-11 7.0 0.0
2070U	6.30E-11	7.0	0.0	2072U 6.33E-11 7.0 0.0
2080U	6.32E-11	7.0	0.0	2082U 6.44E-11 7.0 0.0
2090U	7.36E-11	6.0	0.0	2092U 7.33E-11 6.0 0.0
2100U	7.69E-11	6.0	0.0	2102U 7.59E-11 6.0 0.0
2110U	8.02E-11	5.0	0.0	2112U 8.54E-11 5.0 0.0
2120U	8.33E-11	5.0	0.0	2122U 8.30E-11 5.0 0.0
2130U	7.99E-11	4.0	0.0	2132U 7.90E-11 4.0 0.0
2140U	7.80E-11	4.0	0.0	2142U 7.92E-11 4.0 0.0
2150U	8.45E-11	4.0	0.0	2152U 8.38E-11 4.0 0.0
2160U	8.32E-11	4.0	0.0	2162U 8.53E-11 4.0 0.0
2170U	9.67E-11	3.0	0.0	2172U 9.78E-11 3.0 0.0
2180U	0.00E-10	0.0	0.0	2182U 2.73E-11 1.0 0.0
2190U	3.37E-10	0.0	0.0	2192U 3.39E-10 0.0 0.0
2200U	4.35E-10	8.0	0.0	2202U 4.18E-10 5.0 0.0
2210U	0.00E-10	0.0	0.0	2212U 2.85E-11 7.0 0.0
2220U	3.36E-10	7.0	0.0	2222U 3.48E-10 0.0 0.0
2230U	0.00E-10	0.0	0.0	2232U 0.00E-10 0.0 0.0
2240U	3.36E-10	7.0	0.0	2242U 3.36E-10 7.0 0.0
2250U	3.36E-10	7.0	0.0	2252U 3.36E-10 7.0 0.0
2260U	3.36E-10	7.0	0.0	2262U 3.36E-10 7.0 0.0
2270U	3.36E-10	7.0	0.0	2272U 3.36E-10 7.0 0.0
2280U	3.36E-10	7.0	0.0	2282U 3.36E-10 7.0 0.0
2290U	3.36E-10	7.0	0.0	2292U 3.36E-10 7.0 0.0
2300U	3.36E-10	7.0	0.0	2302U 3.36E-10 7.0 0.0
2310U	3.36E-10	7.0	0.0	2312U 3.36E-10 7.0 0.0
2320U	3.36E-10	7.0	0.0	2322U 3.36E-10 7.0 0.0
2330U	3.36E-10	7.0	0.0	2332U 3.36E-10 7.0 0.0
2340U	3.36E-10	7.0	0.0	2342U 3.36E-10 7.0 0.0
2350U	3.36E-10	7.0	0.0	2352U 3.36E-10 7.0 0.0
2360U	3.36E-10	7.0	0.0	2362U 3.36E-10 7.0 0.0
2370U	3.36E-10	7.0	0.0	2372U 3.36E-10 7.0 0.0
2380U	3.36E-10	7.0	0.0	2382U 3.36E-10 7.0 0.0
2390U	3.36E-10	7.0	0.0	2392U 3.36E-10 7.0 0.0
2400U	3.36E-10	7.0	0.0	2402U 3.36E-10 7.0 0.0
2410U	3.36E-10	7.0	0.0	2412U 3.36E-10 7.0 0.0
2420U	3.36E-10	7.0	0.0	2422U 3.36E-10 7.0 0.0
2430U	3.36E-10	7.0	0.0	2432U 3.36E-10 7.0 0.0
2440U	3.36E-10	7.0	0.0	2442U 3.36E-10 7.0 0.0
2450U	3.36E-10	7.0	0.0	2452U 3.36E-10 7.0 0.0
2460U	3.36E-10	7.0	0.0	2462U 3.36E-10 7.0 0.0
2470U	3.36E-10	7.0	0.0	2472U 3.36E-10 7.0 0.0
2480U	3.36E-10	7.0	0.0	2482U 3.36E-10 7.0 0.0
2490U	3.36E-10	7.0	0.0	2492U 3.36E-10 7.0 0.0
2500U	3.36E-10	7.0	0.0	2502U 3.36E-10 7.0 0.0
2510U	3.36E-10	7.0	0.0	2512U 3.36E-10 7.0 0.0
2520U	3.36E-10	7.0	0.0	2522U 3.36E-10 7.0 0.0
2530U	3.36E-10	7.0	0.0	2532U 3.36E-10 7.0 0.0
2540U	3.36E-10	7.0	0.0	2542U 3.36E-10 7.0 0.0
2550U	3.36E-10	7.0	0.0	2552U 3.36E-10 7.0 0.0
2560U	3.36E-10	7.0	0.0	2562U 3.36E-10 7.0 0.0
2570U	3.36E-10	7.0	0.0	2572U 3.36E-10 7.0 0.0
2580U	3.36E-10	7.0	0.0	2582U 3.36E-10 7.0 0.0
2590U	3.36E-10	7.0	0.0	2592U 3.36E-10 7.0 0.0
2600U	3.36E-10	7.0	0.0	2602U 3.36E-10 7.0 0.0
2610U	3.36E-10	7.0	0.0	2612U 3.36E-10 7.0 0.0
2620U	3.36E-10	7.0	0.0	2622U 3.36E-10 7.0 0.0
2630U	3.36E-10	7.0	0.0	2632U 3.36E-10 7.0 0.0
2640U	3.36E-10	7.0	0.0	2642U 3.36E-10 7.0 0.0
2650U	3.36E-10	7.0	0.0	2652U 3.36E-10 7.0 0.0
2660U	3.36E-10	7.0	0.0	2662U 3.36E-10 7.0 0.0
2670U	3.36E-10	7.0	0.0	2672U 3.36E-10 7.0 0.0
2680U	3.36E-10	7.0	0.0	2682U 3.36E-10 7.0 0.0
2690U	3.36E-10	7.0	0.0	2692U 3.36E-10 7.0 0.0
2700U	3.36E-10	7.0	0.0	2702U 3.36E-10 7.0 0.0
2710U	3.36E-10	7.0	0.0	2712U 3.36E-10 7.0 0.0
2720U	3.36E-10	7.0	0.0	2722U 3.36E-10 7.0 0.0
2730U	3.36E-10	7.0	0.0	2732U 3.36E-10 7.0 0.0
2740U	3.36E-10	7.0	0.0	2742U 3.36E-10 7.0 0.0
2750U	3.36E-10	7.0	0.0	2752U 3.36E-10 7.0 0.0

X,Y(MM) -3.1 6.2 SL3- 63 20 SCANS, T= 225: HR 6188 WT 1.0, SCALE 1.00

R = 1.32:

$$R = 2.63$$

[illegible]

X, Y (MM)	-13.4	-2.0	SL3-103	19 SCANS, T= 233	HD 151515	WT 1.0, SCALE .71
X, Y (MM)	-13.4	-2.0	SL3-104	9 SCANS, T= 271	HD 151515	WT .9, SCALE 1.18

$g = 0.85:$



HD 151804

HR 6245

HD 151804

LAMBDA	F	(WT, SIG)	F - AVE FLUX	FROM LAM-DEL/2 TO LAM+DEL/2										
1340.0	0.0	(0.0, 0.0)	1342.0	0.0	(0.0, 0.0)	1344.0	0.0	(0.0, 0.0)	1346.0	2.01E-09	(2.0, 0.0)	1348.0	1.54E-09	(4.0, 0.0)
1350.0	2.03E-09	(4.0, 0.0)	1352.0	2.47E-09	(5.0, 0.0)	1354.0	1.71E-09	(5.0, 0.0)	1356.0	2.09E-09	(5.0, 0.0)	1358.0	1.92E-09	(5.0, 0.0)
1360.0	1.73E-09	(4.0, 0.0)	1362.0	1.32E-09	(3.0, 0.0)	1364.0	1.63E-09	(3.0, 0.0)	1366.0	1.17E-09	(3.0, 0.0)	1368.0	1.42E-09	(3.0, 0.0)
1370.0	1.52E-09	(4.0, 0.0)	1372.0	1.80E-09	(4.0, 0.0)	1374.0	1.79E-09	(4.0, 0.0)	1376.0	1.46E-09	(3.0, 0.0)	1378.0	1.09E-09	(2.0, 0.0)
1380.0	8.27E-10	(2.0, 0.0)	1382.0	1.21E-09	(2.0, 0.0)	1384.0	1.26E-09	(2.0, 0.0)	1386.0	1.01E-09	(2.0, 0.0)	1388.0	3.28E-10	(1.0, 0.0)
1390.0	4.84E-11	(1.0, 0.0)	1392.0	3.89E-10	(1.0, 0.0)	1394.0	4.79E-10	(1.0, 0.0)	1396.0	5.53E-10	(1.0, 0.0)	1398.0	2.00E-10	(1.0, 0.0)
1400.0	9.02E-10	(3.0, 0.0)	1402.0	1.02E-09	(5.0, 0.0)	1404.0	4.10E-09	(5.0, 0.0)	1406.0	4.12E-09	(5.0, 0.0)	1408.0	3.35E-09	(5.0, 0.0)
1410.0	2.56E-09	(5.0, 0.0)	1412.0	2.01E-09	(5.0, 0.0)	1414.0	2.09E-09	(5.0, 0.0)	1416.0	2.14E-09	(5.0, 0.0)	1418.0	2.12E-09	(5.0, 0.0)
1420.0	2.17E-09	(5.0, 0.0)	1422.0	2.35E-09	(5.0, 0.0)	1424.0	2.32E-09	(5.0, 0.0)	1426.0	1.44E-09	(5.0, 0.0)	1428.0	2.46E-09	(5.0, 0.0)
1430.0	1.98E-09	(5.0, 0.0)	1432.0	2.41E-09	(5.0, 0.0)	1434.0	3.07E-09	(5.0, 0.0)	1436.0	3.15E-09	(5.0, 0.0)	1438.0	2.54E-09	(5.0, 0.0)
1440.0	2.77E-09	(5.0, 0.0)	1442.0	2.72E-09	(5.0, 0.0)	1444.0	2.82E-09	(5.0, 0.0)	1446.0	2.64E-09	(5.0, 0.0)	1448.0	2.92E-09	(5.0, 0.0)
1450.0	2.55E-09	(5.0, 0.0)	1452.0	2.69E-09	(5.0, 0.0)	1454.0	2.43E-09	(5.0, 0.0)	1456.0	2.54E-09	(5.0, 0.0)	1458.0	2.72E-09	(5.0, 0.0)
1460.0	2.61E-09	(5.0, 0.0)	1462.0	2.38E-09	(5.0, 0.0)	1464.0	2.26E-09	(5.0, 0.0)	1466.0	2.24E-09	(5.0, 0.0)	1468.0	2.03E-09	(5.0, 0.0)
1470.0	1.89E-09	(5.0, 0.0)	1472.0	2.15E-09	(5.0, 0.0)	1474.0	2.12E-09	(5.0, 0.0)	1476.0	1.89E-09	(5.0, 0.0)	1478.0	2.02E-09	(5.0, 0.0)
1480.0	1.99E-09	(5.0, 0.0)	1482.0	2.15E-09	(5.0, 0.0)	1484.0	2.13E-09	(5.0, 0.0)	1486.0	1.72E-09	(5.0, 0.0)	1488.0	1.61E-09	(5.0, 0.0)
1490.0	1.54E-09	(5.0, 0.0)	1492.0	1.84E-09	(5.0, 0.0)	1494.0	1.83E-09	(5.0, 0.0)	1496.0	1.72E-09	(5.0, 0.0)	1498.0	1.33E-09	(5.0, 0.0)
1500.0	1.40E-09	(5.0, 0.0)	1502.0	1.42E-09	(5.0, 0.0)	1504.0	1.15E-09	(5.0, 0.0)	1506.0	1.48E-09	(5.0, 0.0)	1508.0	1.64E-09	(5.0, 0.0)
1510.0	1.52E-09	(5.0, 0.0)	1512.0	1.66E-09	(5.0, 0.0)	1514.0	1.79E-09	(6.0, 1.4)	1516.0	1.58E-09	(6.0, 2.4)	1518.0	1.52E-09	(6.0, 7.9)
1520.0	1.49E-09	(6.0, 5.9)	1522.0	1.33E-09	(6.0, 3.9)	1524.0	1.16E-09	(7.0, 3.4)	1526.0	1.06E-09	(7.0, 5.4)	1528.0	1.17E-09	(7.0, 2.8)
1530.0	1.05E-09	(7.0, 4.0)	1532.0	9.50E-10	(8.0, 1.1)	1534.0	9.29E-10	(8.0, 4.8)	1536.0	7.88E-10	(8.0, 9.6)	1538.0	6.57E-10	(9.0, 2.1)
1540.0	4.56E-10	(9.0, 22.1)	1542.0	3.99E-10	(9.0, 32.3)	1544.0	4.20E-10	(10.0, 2.7)	1546.0	5.98E-10	(10.0, 15.8)	1548.0	7.85E-10	(10.0, 5.2)
1550.0	1.20E-09	(10.0, 1.3)	1552.0	1.46E-09	(10.0, 6.3)	1554.0	1.49E-09	(10.0, 6.5)	1556.0	1.39E-09	(10.0, 11.2)	1558.0	1.20E-09	(10.0, 6.1)
1560.0	1.12E-09	(10.0, 1.3)	1562.0	1.04E-09	(10.0, 4.6)	1564.0	1.08E-09	(10.0, 12.1)	1566.0	1.12E-09	(10.0, 22.2)	1568.0	1.10E-09	(10.0, 15.6)
1570.0	1.14E-09	(10.0, 10.6)	1572.0	1.27E-09	(10.0, 17.4)	1574.0	1.29E-09	(10.0, 24.4)	1576.0	1.32E-09	(10.0, 24.5)	1578.0	1.35E-09	(10.0, 16.3)
1580.0	1.40E-09	(10.0, 14.7)	1582.0	1.37E-09	(10.0, 18.0)	1584.0	1.39E-09	(10.0, 18.8)	1586.0	1.25E-09	(10.0, 15.8)	1588.0	1.16E-09	(10.0, 10.4)
1590.0	1.12E-09	(10.0, 10.5)	1592.0	1.21E-09	(10.0, 13.9)	1594.0	1.24E-09	(10.0, 6.8)	1596.0	1.25E-09	(9.0, 9.5)	1598.0	1.22E-09	(9.0, 12.9)
1600.0	1.18E-09	(9.0, 12.5)	1602.0	1.20E-09	(9.0, 19.8)	1604.0	1.24E-09	(9.0, 19.3)	1606.0	1.20E-09	(9.0, 13.6)	1608.0	1.12E-09	(10.0, 11.8)
1610.0	1.05E-09	(10.0, 6.0)	1612.0	1.06E-09	(10.0, 2.5)	1614.0	1.10E-09	(9.0, 3.3)	1616.0	1.12E-09	(9.0, 1.0)	1618.0	1.14E-09	(9.0, 2.5)
1620.0	1.21E-09	(9.0, 6.0)	1622.0	1.23E-09	(9.0, 2.7)	1624.0	1.21E-09	(9.0, 1.6)	1626.0	1.20E-09	(9.0, 4.8)	1628.0	1.19E-09	(8.0, 3.3)
1630.0	1.23E-09	(8.0, 2.1)	1632.0	1.36E-09	(8.0, 6.8)	1634.0	1.44E-09	(8.0, 8.6)	1636.0	1.43E-09	(8.0, 5.3)	1638.0	1.46E-09	(7.0, 4.3)
1640.0	1.49E-09	(7.0, 4.2)	1642.0	1.57E-09	(7.0, 8.7)	1644.0	1.46E-09	(7.0, 5.3)	1646.0	1.32E-09	(8.0, 4.8)	1648.0	1.28E-09	(8.0, 6.2)
1650.0	1.30E-09	(8.0, 2.1)	1652.0	1.28E-09	(8.0, 7.3)	1654.0	1.19E-09	(8.0, 3.0)	1656.0	1.16E-09	(8.0, 3.6)	1658.0	1.24E-09	(8.0, 3.3)
1660.0	1.30E-09	(7.0, 5.9)	1662.0	1.28E-09	(7.0, 5.0)	1664.0	1.23E-09	(7.0, 7.9)	1666.0	1.17E-09	(8.0, 8.0)	1668.0	1.16E-09	(8.0, 2.2)
1670.0	1.19E-09	(8.0, 1.3)	1672.0	1.20E-09	(7.0, 1.9)	1674.0	1.21E-09	(7.0, 2.1)	1676.0	1.20E-09	(7.0, 7.6)	1678.0	1.12E-09	(8.0, 7.2)
1680.0	1.03E-09	(8.0, 4.7)	1682.0	9.89E-10	(8.0, 7.7)	1684.0	9.18E-10	(8.0, 8.6)	1686.0	8.27E-10	(9.0, 4.7)	1688.0	7.46E-10	(9.0, 1.0)
1690.0	7.18E-10	(9.0, 4.4)	1692.0	6.93E-10	(9.0, 8.6)	1694.0	6.49E-10	(9.0, 8.4)	1696.0	6.29E-10	(9.0, 6.5)	1698.0	6.11E-10	(9.0, 4.5)
1700.0	5.84E-10	(9.0, 4.7)	1702.0	5.70E-10	(10.0, 8.7)	1704.0	5.53E-10	(10.0, 8.0)	1706.0	5.17E-10	(10.0, 3.1)	1708.0	4.91E-10	(10.0, 1.2)
1710.0	4.92E-10	(10.0, 3.8)	1712.0	5.14E-10	(10.0, 6.4)	1714.0	5.17E-10	(10.0, 3.9)	1716.0	5.15E-10	(9.0, 4.4)	1718.0	5.47E-10	(9.0, 3.0)
1720.0	6.10E-10	(9.0, 3.3)	1722.0	6.98E-10	(8.0, 1.1)	1724.0	7.51E-10	(8.0, 2.9)	1726.0	7.22E-10	(8.0, 9.2)	1728.0	7.00E-10	(8.0, 7.0)
1730.0	7.10E-10	(8.0, 2.1)	1732.0	7.18E-10	(8.0, 5.8)	1734.0	7.29E-10	(8.0, 10.3)	1736.0	7.42E-10	(8.0, 8.7)	1738.0	7.47E-10	(8.0, 10.0)
1740.0	7.23E-10	(8.0, 16.7)	1742.0	7.04E-10	(8.0, 20.9)	1744.0	7.26E-10	(7.0, 15.5)	1746.0	7.60E-10	(7.0, 6.4)	1748.0	7.62E-10	(7.0, 4.0)
1750.0	7.52E-10	(7.0, 7.1)	1752.0	7.63E-10	(7.0, 9.3)	1754.0	7.80E-10	(7.0, 5.1)	1756.0	7.70E-10	(7.0, 2.2)	1758.0	7.41E-10	(7.0, 8.0)
1760.0	7.42E-10	(7.0, 9.6)	1762.0	7.97E-10	(7.0, 4.1)	1764.0	8.42E-10	(7.0, 1.5)	1766.0	8.33E-10	(7.0, 4.1)	1768.0	7.79E-10	(7.0, 6.5)
1770.0	7.09E-10	(7.0, 10.4)	1772.0	6.49E-10	(7.0, 14.2)	1774.0	6.49E-10	(7.0, 13.1)	1776.0	6.76E-10	(7.0, 7.8)	1778.0	7.17E-10	(7.0, 4.0)
1780.0	7.48E-10	(7.0, 4.1)	1782.0	7.54E-10	(6.0, 7.0)	1784.0	7.30E-10	(6.0, 11.9)	1786.0	7.20E-10	(6.0, 9.3)	1788.0	7.33E-10	(6.0, 2.6)
1790.0	7.10E-10	(6.0, 5.5)	1792.0	6.56E-10	(7.0, 5.3)	1794.0	6.45E-10	(7.0, 9.3)	1796.0	6.55E-10	(7.0, 8.6)	1798.0	6.45E-10	(7.0, 7.9)
1800.0	6.35E-10	(7.0, 6.9)	1802.0	6.48E-10	(6.0, 7.3)	1804.0	6.78E-10	(6.0, 11.9)	1806.0	6.99E-10	(6.0, 11.9)	1808.0	7.09E-10	(6.0, 9.3)
1810.0	6.89E-10	(6.0, 7.0)	1812.0	6.69E-10	(6.0, 9.6)	1814.0	6.71E-10	(6.0, 12.1)	1816.0	6.99E-10	(6.0, 12.6)	1818.0	7.09E-10	(6.0, 12.6)
1820.0	7.15E-10	(6.0, 13.5)	1822.0	7.23E-10	(6.0, 13.8)	1824.0	7.44E-10	(6.0, 15.8)	1826.0	7.50E-10	(5.0, 19.7)	0.0	0.0	(0.0, 0.0)
1800.0	6.41E-10	(6.0, 6.4)	1805.0	6.90E-10	(6.0, 11.4)	1810.0	6.87E-10	(6.0, 8.5)	1815.0	6.94E-10	(6.0, 11.9)	1820.0	7.16E-10	(6.0, 13.7)
1825.0	7.43E-10	(6.0, 17.3)	1830.0	7.10E-10	(5.0, 20.2)	1835.0	6.80E-10	(5.0, 16.0)	1840.0	6.94E-10	(5.0, 20.3)	1845.0	6.93E-10	(5.0, 13.6)
1850.0	6.74E-10	(5.0, 16.6)	1855.0	6.08E-10	(5.0, 21.0)	1860.0	6.17E-10	(5.0, 20.8)	1865.0	6.60E-10	(5.0, 16.5)	1870.0	6.57E-10	(5.0, 13.4)
1875.0	6.20E-10	(5.0, 14.3)	1880.0	6.11E-10	(5.0, 18.1)	1885.0	5.63E-10	(5.0, 20.8)	1890.0	5.62E-10	(5.0, 15.9)	1895.0	5.78E-10	(5.0, 16.3)
1900.0	5.32E-10	(5.0, 16.4)	1905.0	5.12E-10	(5.0, 16.1)	1910.0	5.59E-10	(5.0, 11.7)	1915.0	5.73E-10	(4.0, 9.1)	1920.0	5.44E-10	(4.0, 9.8)
1925.0	4.95E-10	(5.0, 13.5)	1930.0	4.52E-10	(5.0, 21.0)	1935.0	4.38E-10	(5.0, 17.2)	1940.0	4.29E-10	(4.0, 12.0)	1945.0	4.50E-10	(4.0, 6.6)
1950.0	4.67E-10	(4.0, 5.6)	1955.0	4.72E-10	(4.0, 8.7)	1960.0	4.09E-10	(4.0, 11.3)	1965.0	3.90E-10	(4.0, 11.1)	1970.0	4.11E-10	(4.0, 6.4)
1975.0	4.11E-10	(4.0, 3.7)	1980.0	3.90E-10	(3.0, 6.3)	1985.0	3.68E-10	(3.0, 6.7)	1990.0	3.42E-10	(3.0, 4.0)	1995.0	3.05E-10	(3.0, 0.0)
2000.0	3.47E-10	(3.0, 0.0)	2005.0	3.54E-10	(3.0, 0.0)	2010.0	3.23E-10	(3.0, 0.0)	2015.0	2.96E-10	(3.0, 0.0)	2020.0	3.08E-10	(3.0, 0.0)
2025.0	3.40E-10	(3.0, 0.0)	2030.0	3.96E-10	(3.0, 0.0)	2035.0	4.10E-10	(3.0, 0.0)	2040.0	3.39E-10	(3.0, 0.0)	2045.0	2.99E-10	(3.0, 0.0)
2050.0	3.15E-10	(3.0, 0.0)	0.0	0.0	(0.0, 0.0)	0.0	0.0	(0.0, 0.0)	0.0	0.0	(0.0, 0.0)	0.0	0.0	(0.0, 0.0)

135.0	0.73E-09	(4.0, 0.0)	1390.0	1.40E-09	(2.0, 0.0)	148.0	0.68E-09	(5.0, 0.0)	154.0	1.42E-09	(9.0, 1.1)	161.0	1.20E-09	(9.0, 7.3)
166.0	1.23E-09	(8.0, 3.8)	172.0	1.85E-09	(8.0, 4.8)	181.0	1.80E-09	(6.0, 12.4)	192.0	2.14E-09	(4.0, 14.0)	0.0	0.0	(0.0, 0.0)
0.0	0.00E-10	(0.0, 0.0)	0.0	0.00E-10	(0.0, 0.0)	0.0	0.00E-10	(0.0, 0.0)	0.0	0.00E-10	(0.0, 0.0)	0.0	0.00E-10	(0.0, 0.0)

X,Y(MM) -18.7 -7.1 SL3-103 17 SCANS, T= 233 HR 62

LAMBDA, F (WT, SIG)	F = AVE FLUX FROM LAM-DEL/2 TO LAM+DEL/2	LAMBDA, F (WT, SIG)	F = AVE FLUX FROM LAM-DEL/2 TO LAM+DEL/2	LAMBDA, F (WT, SIG)	F = AVE FLUX FROM LAM-DEL/2 TO LAM+DEL/2	LAMBDA, F (WT, SIG)	F = AVE FLUX FROM LAM-DEL/2 TO LAM+DEL/2
1310, 5.28E-09(.9 0.0)	1312, 5.37E-09(.9 0.0)	1314, 6.14E-09(.9 3.6)	1316, 5.12E-09(.9 3.9)	1318, 6.81E-09(.9 6.1)	1320, 4.96E-09(1.0 13.3)	1322, 5.22E-09(1.0 18.1)	1324, 4.63E-09(1.1 10.5)
1320, 6.00E-09(.9 7.2)	1322, 6.19E-09(.9 12.8)	1324, 5.54E-09(.9 8.1)	1326, 5.30E-09(1.0 7.0)	1328, 4.96E-09(1.0 13.3)	1330, 5.22E-09(1.0 18.1)	1332, 4.63E-09(1.1 10.5)	1334, 5.27E-09(.9 9.7)
1330, 5.22E-09(1.0 11.8)	1332, 5.32E-09(1.0 14.9)	1334, 4.66E-09(1.0 9.7)	1336, 4.51E-09(1.0 13.2)	1338, 4.35E-09(1.1 3.2)	1340, 4.73E-09(1.1 2.0)	1342, 4.72E-09(1.1 18.8)	1344, 4.72E-09(1.1 18.8)
1340, 5.22E-09(1.0 14.4)	1342, 5.38E-09(1.1 15.8)	1344, 4.59E-09(1.1 15.3)	1346, 4.52E-09(1.1 8.0)	1348, 4.35E-09(1.1 3.2)	1350, 4.00E-09(1.1 6.3)	1352, 4.73E-09(1.1 2.0)	1354, 4.73E-09(1.1 2.0)
1350, 5.01E-09(1.1 5.1)	1352, 4.94E-09(1.1 6.9)	1354, 5.49E-09(1.1 5.8)	1356, 5.24E-09(1.1 11.2)	1358, 5.27E-09(.9 9.7)	1360, 4.35E-09(.4 22.1)	1362, 4.35E-09(.4 22.1)	1364, 4.35E-09(.4 22.1)
1360, 4.79E-09(.7 18.0)	1362, 4.68E-09(.6 22.4)	1364, 4.59E-09(.5 15.4)	1366, 4.31E-09(.4 16.4)	1368, 4.35E-09(1.1 3.2)	1370, 4.35E-09(1.1 3.2)	1372, 4.35E-09(1.1 3.2)	1374, 4.35E-09(1.1 3.2)
1370, 4.60E-09(.4 25.1)	1372, 4.43E-09(.4 26.0)	1374, 5.04E-09(1.1 14.6)	1376, 4.78E-09(1.1 3.2)	1378, 4.38E-09(1.1 6.7)	1380, 4.35E-09(1.1 3.2)	1382, 4.35E-09(1.1 3.2)	1384, 4.35E-09(1.1 3.2)
1380, 4.01E-09(1.1 6.3)	1382, 4.38E-09(1.1 1.2)	1384, 4.21E-09(1.1 4.4)	1386, 4.16E-09(1.1 9.0)	1388, 4.35E-09(1.1 3.2)	1390, 4.00E-09(1.1 6.3)	1392, 4.73E-09(1.1 2.0)	1394, 4.73E-09(1.1 2.0)
1390, 4.20E-09(1.1 6.5)	1392, 3.23E-09(1.1 3.2)	1394, 2.73E-09(1.1 6.7)	1396, 3.55E-09(1.1 1.6)	1398, 4.00E-09(1.1 6.3)	1400, 4.73E-09(1.1 2.0)	1402, 4.73E-09(1.1 2.0)	1404, 4.73E-09(1.1 2.0)
1400, 4.47E-09(1.1 1.7)	1402, 3.82E-09(1.1 11.2)	1404, 3.68E-09(1.1 4.7)	1406, 4.31E-09(1.1 1.5)	1408, 4.73E-09(1.1 2.0)	1410, 4.72E-09(1.1 18.8)	1412, 4.72E-09(1.1 18.8)	1414, 4.72E-09(1.1 18.8)
1410, 4.98E-09(1.1 3.8)	1412, 5.09E-09(1.1 8.8)	1414, 4.76E-09(1.1 7.7)	1416, 4.64E-09(1.1 13.7)	1418, 4.72E-09(1.1 18.8)	1420, 5.00E-09(1.2 12.6)	1422, 5.00E-09(1.2 12.6)	1424, 5.00E-09(1.2 12.6)
1420, 5.53E-09(1.1 2.2)	1422, 5.67E-09(1.2 2.1)	1424, 5.64E-09(1.2 16.9)	1426, 5.43E-09(1.2 11.3)	1428, 5.00E-09(1.2 12.6)	1430, 5.06E-09(1.3 9.3)	1432, 5.06E-09(1.3 9.3)	1434, 5.06E-09(1.3 9.3)
1430, 4.96E-09(1.3 13.8)	1432, 5.46E-09(1.3 12.0)	1434, 5.57E-09(1.3 7.8)	1436, 5.45E-09(1.3 12.8)	1438, 5.06E-09(1.3 9.3)	1440, 5.07E-09(1.4 11.3)	1442, 5.07E-09(1.4 11.3)	1444, 5.07E-09(1.4 11.3)
1440, 5.47E-09(1.3 11.1)	1442, 5.62E-09(1.3 8.1)	1444, 5.35E-09(1.4 11.0)	1446, 5.38E-09(1.4 8.8)	1448, 5.07E-09(1.4 11.3)	1450, 4.92E-09(1.5 4.6)	1452, 4.92E-09(1.5 4.6)	1454, 4.92E-09(1.5 4.6)
1450, 5.37E-09(1.4 11.0)	1452, 5.34E-09(1.4 6.5)	1454, 4.86E-09(1.5 10.0)	1456, 4.68E-09(1.5 8.3)	1458, 4.92E-09(1.5 4.6)	1460, 5.23E-09(1.6 2.3)	1462, 5.23E-09(1.6 2.3)	1464, 5.23E-09(1.6 2.3)
1460, 5.13E-09(1.5 4.8)	1462, 5.21E-09(1.5 4.5)	1464, 5.22E-09(1.6 6.6)	1466, 5.32E-09(1.6 4.2)	1468, 5.23E-09(1.6 2.3)	1470, 4.06E-09(1.5 4.8)	1472, 4.06E-09(1.5 4.8)	1474, 4.06E-09(1.5 4.8)
1470, 4.98E-09(1.6 1.1)	1472, 4.91E-09(1.6 1.0)	1474, 5.03E-09(1.6 7.7)	1476, 4.31E-09(1.6 4.6)	1478, 4.06E-09(1.5 4.8)	1480, 4.16E-09(1.5 1.0)	1482, 4.16E-09(1.5 1.0)	1484, 4.16E-09(1.5 1.0)
1480, 4.21E-09(1.5 9.9)	1482, 4.44E-09(1.5 12.9)	1484, 4.31E-09(1.5 11.4)	1486, 4.08E-09(1.5 8.9)	1488, 4.16E-09(1.5 1.0)	1490, 3.91E-09(1.5 7.7)	1492, 3.91E-09(1.5 7.7)	1494, 3.91E-09(1.5 7.7)
1490, 4.59E-09(1.5 1.7)	1492, 4.08E-09(1.5 14.0)	1494, 4.03E-09(1.5 13.3)	1496, 4.10E-09(1.5 8.2)	1498, 3.91E-09(1.5 7.7)	1500, 4.03E-09(1.5 9.9)	1502, 4.03E-09(1.5 9.9)	1504, 4.03E-09(1.5 9.9)
1500, 4.04E-09(1.5 3.0)	1502, 4.03E-09(1.5 5.9)	1504, 3.85E-09(1.5 3.9)	1506, 3.87E-09(1.5 2.2)	1508, 4.03E-09(1.5 9.9)	1510, 3.49E-09(1.4 6.7)	1512, 3.49E-09(1.4 6.7)	1514, 3.49E-09(1.4 6.7)
1510, 3.82E-09(1.4 6.4)	1512, 3.54E-09(1.5 4.0)	1514, 3.30E-09(1.5 1.8)	1516, 3.18E-09(1.5 1.8)	1518, 3.49E-09(1.4 6.7)	1520, 3.24E-09(1.4 7.7)	1522, 3.24E-09(1.4 7.7)	1524, 3.24E-09(1.4 7.7)
1520, 3.68E-09(1.4 1.0)	1522, 3.73E-09(1.4 1.8)	1524, 3.64E-09(1.4 3.8)	1526, 3.55E-09(1.4 2.5)	1528, 3.24E-09(1.4 7.7)	1530, 2.79E-09(1.4 9.7)	1532, 2.79E-09(1.4 9.7)	1534, 2.79E-09(1.4 9.7)
1530, 3.17E-09(1.4 2.5)	1532, 3.06E-09(1.4 7.4)	1534, 3.06E-09(1.4 5.2)	1536, 2.98E-09(1.4 3.8)	1538, 2.79E-09(1.4 9.7)	1540, 2.69E-09(1.4 3.0)	1542, 2.69E-09(1.4 3.0)	1544, 2.69E-09(1.4 3.0)
1540, 2.83E-09(1.4 9.5)	1542, 2.97E-09(1.4 2.6)	1544, 2.97E-09(1.4 4.8)	1546, 2.77E-09(1.4 6.1)	1548, 2.69E-09(1.4 3.0)	1550, 3.07E-09(1.3 2.2)	1552, 3.07E-09(1.3 2.2)	1554, 3.07E-09(1.3 2.2)
1550, 2.77E-09(1.4 6.9)	1552, 3.02E-09(1.4 11.0)	1554, 3.11E-09(1.4 5.6)	1556, 3.07E-09(1.3 2.2)	1558, 3.07E-09(1.3 2.2)	1560, 3.52E-09(1.2 17.3)	1562, 3.52E-09(1.2 17.3)	1564, 3.52E-09(1.2 17.3)
1560, 3.02E-09(1.3 9.9)	1562, 3.11E-09(1.3 4.8)	1564, 3.27E-09(1.3 10.4)	1566, 3.35E-09(1.2 11.7)	1568, 3.52E-09(1.2 17.3)	1570, 3.56E-09(1.2 4.4)	1572, 3.56E-09(1.2 4.4)	1574, 3.56E-09(1.2 4.4)
1570, 3.40E-09(1.2 10.9)	1572, 3.26E-09(1.2 4.7)	1574, 3.26E-09(1.2 3.3)	1576, 3.47E-09(1.2 4.3)	1578, 3.56E-09(1.2 4.4)	1580, 3.75E-09(1.1 3.7)	1582, 3.75E-09(1.1 3.7)	1584, 3.75E-09(1.1 3.7)
1580, 3.50E-09(1.1 4.9)	1582, 3.73E-09(1.1 6.6)	1584, 3.90E-09(1.1 3.6)	1586, 3.85E-09(1.1 1.9)	1588, 3.75E-09(1.1 3.7)	1590, 3.59E-09(1.0 7.3)	1592, 3.59E-09(1.0 7.3)	1594, 3.59E-09(1.0 7.3)
1590, 3.76E-09(1.1 1.8)	1592, 3.89E-09(1.1 2.9)	1594, 3.88E-09(1.0 6.5)	1596, 3.68E-09(1.0 10.6)	1598, 3.59E-09(1.0 7.3)	1600, 3.50E-09(1.0 4.3)	1602, 3.50E-09(1.0 4.3)	1604, 3.50E-09(1.0 4.3)
1600, 3.50E-09(1.0 6.8)	1602, 3.42E-09(1.0 9.0)	1604, 3.45E-09(1.0 6.2)	1606, 3.40E-09(1.0 4.2)	1608, 3.50E-09(1.0 4.3)	1610, 3.81E-09(1.0 2.7)	1612, 3.81E-09(1.0 2.7)	1614, 3.81E-09(1.0 2.7)
1610, 3.60E-09(1.0 4.4)	1612, 3.62E-09(1.0 8.8)	1614, 3.58E-09(1.0 3.4)	1616, 3.67E-09(1.0 2.7)	1618, 3.81E-09(1.0 2.7)	1620, 4.19E-09(.9 4.2)	1622, 4.19E-09(.9 4.2)	1624, 4.19E-09(.9 4.2)
1620, 3.80E-09(.9 1.8)	1622, 3.80E-09(.9 9.0)	1624, 3.98E-09(.9 5.3)	1626, 4.13E-09(.9 2.5)	1628, 4.19E-09(.9 4.2)	1630, 4.31E-09(.9 4.4)	1632, 4.31E-09(.9 4.4)	1634, 4.31E-09(.9 4.4)
1630, 4.09E-09(.9 5.9)	1632, 3.88E-09(.9 7.3)	1634, 3.87E-09(.9 8.6)	1636, 4.07E-09(.9 5.1)	1638, 4.31E-09(.9 4.4)	1640, 4.63E-09(.8 3.3)	1642, 4.63E-09(.8 3.3)	1644, 4.63E-09(.8 3.3)
1640, 4.47E-09(.8 2.4)	1642, 4.50E-09(.8 2.2)	1644, 4.29E-09(.8 2.1)	1646, 4.29E-09(.8 4.4)	1648, 4.63E-09(.8 3.3)	1650, 4.74E-09(.7 3.9)	1652, 4.74E-09(.7 3.9)	1654, 4.74E-09(.7 3.9)
1650, 4.86E-09(.8 1.3)	1652, 4.99E-09(.8 7.2)	1654, 4.94E-09(.8 6.9)	1656, 4.71E-09(.7 4.5)	1658, 4.74E-09(.7 3.9)	1660, 4.55E-09(.7 7.7)	1662, 4.55E-09(.7 7.7)	1664, 4.55E-09(.7 7.7)
1660, 4.99E-09(.8 8.8)	1662, 5.07E-09(.7 10.5)	1664, 4.97E-09(.7 1.8)	1666, 4.81E-09(.7 3.6)	1668, 4.55E-09(.7 7.7)	1670, 4.93E-09(.7 1.6)	1672, 4.93E-09(.7 1.6)	1674, 4.93E-09(.7 1.6)
1670, 4.51E-09(.7 4.7)	1672, 4.78E-09(.7 4.8)	1674, 5.02E-09(.7 2.2)	1676, 5.01E-09(.7 1.6)	1678, 4.93E-09(.7 1.6)	1680, 5.49E-09(.6 1.6)	1682, 5.49E-09(.6 1.6)	1684, 5.49E-09(.6 1.6)
1680, 5.03E-09(.7 3.4)	1682, 5.05E-09(.7 1.8)	1684, 5.06E-09(.7 1.4)	1686, 5.25E-09(.6 4.4)	1688, 5.49E-09(.6 1.6)	1690, 5.14E-09(.6 7.3)	1692, 5.14E-09(.6 7.3)	1694, 5.14E-09(.6 7.3)
1690, 5.39E-09(.6 3.3)	1692, 5.09E-09(.6 1.7)	1694, 5.06E-09(.6 3.0)	1696, 5.16E-09(.6 6.5)	1698, 5.14E-09(.6 7.3)	1700, 4.81E-09(.6 4.4)	1702, 4.81E-09(.6 4.4)	1704, 4.81E-09(.6 4.4)
1700, 5.04E-09(.6 5.1)	1702, 4.98E-09(.6 4.2)	1704, 4.96E-09(.6 2.0)	1706, 4.95E-09(.6 6.6)	1708, 4.81E-09(.6 4.4)	1710, 4.33E-09(.6 11.6)	1712, 4.33E-09(.6 11.6)	1714, 4.33E-09(.6 11.6)
1710, 4.63E-09(.6 9.9)	1712, 4.64E-09(.6 1.5)	1714, 4.61E-09(.6 6.8)	1716, 4.45E-09(.6 10.5)	1718, 4.33E-09(.6 11.6)	1720, 4.62E-09(.5 6.7)	1722, 4.62E-09(.5 6.7)	1724, 4.62E-09(.5 6.7)
1720, 4.38E-09(.6 10.6)	1722, 4.52E-09(.6 7.3)	1724, 4.56E-09(.6 4.4)	1726, 4.53E-09(.6 4.9)	1728, 4.62E-09(.5 6.7)	1730, 5.39E-09(.5 9.2)	1732, 5.39E-09(.5 9.2)	1734, 5.39E-09(.5 9.2)
1730, 4.77E-09(.5 8.7)	1732, 4.93E-09(.5 8.2)	1734, 5.15E-09(.5 6.6)	1736, 5.45E-09(.5 7.0)	1738, 5.39E-09(.5 9.2)	1740, 4.79E-09(.5 8.0)	1742, 4.79E-09(.5 8.0)	1744, 4.79E-09(.5 8.0)
1740, 4.99E-09(.5 9.8)	1742, 4.79E-09(.5 9.3)	1744, 4.80E-09(.5 7.5)	1746, 4.79E-09(.5 6.3)	1748, 4.79E-09(.5 8.0)	1750, 5.12E-09(.4 6.0)	1752, 5.12E-09(.4 6.0)	1754, 5.12E-09(.4 6.0)
1750, 4.79E-09(.5 11.0)	1752, 4.80E-09(.5 11.9)	1754, 4.89E-09(.4 10.4)	1756, 5.08E-09(.4 7.7)	1758, 5.12E-09(.4 6.0)	1760, 4.71E-09(.4 4.9)	1762, 4.71E-09(.4 4.9)	1764, 4.71E-09(.4 4.9)
1760, 5.00E-09(.4 8.6)	1762, 4.87E-09(.4 13.4)	1764, 4.85E-09(.4 14.3)	1766, 4.81E-09(.4 10.0)	1768, 4.71E-09(.4 4.9)	1770, 4.31E-09(.4 5.9)	1772, 4.31E-09(.4 5.9)	1774, 4.31E-09(.4 5.9)
1770, 4.58E-09(.4 4.6)	1772, 4.36E-09(.4 6.5)	1774, 4.27E-09(.4 6.7)	1776, 4.30E-09(.4 6.2)	1778, 4.31E-09(.4 5.9)	1780, 4.52E-09(.3 8.0)	1782, 4.52E-09(.3 8.0)	1784, 4.52E-09(.3 8.0)
1780, 4.30E-09(.4 6.2)	1782, 4.42E-09(.4 8.0)	1784, 4.55E-09(.3 8.9)	1786, 4.59E-09(.3 8.9)	1788, 4.52E-09(.3 8.0)	1790, 4.41E-09(.3 1.3)	1792, 4.41E-09(.3 1.3)	1794, 4.41E-09(.3 1.3)
1790, 4.47E-09(.3 6.7)	1792, 4.46E-09(.3 4.9)	1794, 4.50E-09(.3 3.5)	1796, 4.50E-09(.3 2.5)	1798, 4.41E-09(.3 1.3)	1800, 4.22E-09(.3 0.0)	1802, 4.22E-09(.3 0.0)	1804, 4.22E-09(.3 0.0)
1800, 4.29E-09(.3 0.0)	1802, 4.27E-09(.3 0.0)	1804, 4.30E-09(.3 0.0)	1806, 4.30E-09(.3 0.0)	1808, 4.22E-09(.3 0.0)	1810, 4.21E-09(.3 0.0)	1812, 4.21E-09(.3 0.0)	1814, 4.21E-09(.3 0.0)
1810, 4.19E-09(.3 0.0)	1812, 4.21E-09(.3 0.0)	1814, 4.24E-09(.3 0.0)	1816, 4.21E-09(.3 0.0)	1818, 4.21E-09(.3 0.0)	1820, 4.54E-09(.3 0.0)	1822, 4.54E-09(.3 0.0)	1824, 4.54E-09(.3 0.0)
1820, 4.26E-09(.3 0.0)	1822, 4.35E-09(.3 0.0)	1824, 4.45E-09(.3 0.0)	1826, 4.45E-09(.3 0.0)	1828, 4.54E-09(.3 0.0)	1830, 4.22E-09(.3 0.0)	1832, 4.22E-09(.3 0.0)	1834, 4.22E-09(.3 0.0)
1830, 4.32E-09(.3 0.0)	1832, 4.29E-09(.3 0.0)	1834, 4.20E-09(.3 0.0)	1836, 4.22E-09(.3 0.0)	1838, 4.22E-09(.3 0.0)	1840, 4.33E-09(.3 0.0)	1842, 4.33E-09(.3 0.0)	1844, 4.33E-09(.3 0.0)
1840, 4.49E-09(.3 0.0)	1842, 4.62E-09(.3 0.0)	1844, 4.74E-09(.3 0.0)	1846, 4.74E-09(.3 0.0)	1848, 4.33E-09(.3 0.0)	1850, 3.83E-09(.3 0.0)	1852, 3.83E-09(.3 0.0)	1854, 3.83E-09(.3 0.0)
1850, 3.88E-09(.3 0.0)	1852, 3.67E-09(.3 0.0)	1854, 3.72E-09(.3 0.0)	1856, 3.72E-09(.3 0.0)	1858, 3.83E-09(.3 0.0)	1860, 3.24E-09(.3 0.0)	1862, 3.24E-09(.3 0.0)	1864, 3.24E-09(.3 0.0)
1860, 3.99E-09(.3 0.0)	1862, 3.51E-09(.3 0.0)	1864, 3.13E-09(.3 0.0)	1866, 3.13E-09(.3 0.0)	1868, 3.24E-09(.3 0.0)	1870, 3.24E-09(.3 0.0)	1872, 3.24E-09(.3 0.0)	1874, 3.24E-09(.3 0.0)
1870, 4.25E-09(.2 0.0)	1872, 3.77E-09(.2 0.0)						

HR 6249

 $R = \langle 0.69 \rangle$ 

X, Y (MM)	-13.2	-6.5	SL3-103	17	SCANS, T= 233	HR 6249	WT .9, SCALE .81
X, Y (MM)	-13.2	-6.5	SL3-104	3	SCANS, T= 271	HR 6249	WT .3, SCALE 1.26

$R = 1.05$

LAMBDA	F	(WT, SIG)	F = AVE FLUX	FROM LAM-DEL/2 TO LAM+DEL/2
1560	0.0	(0.0 0.0)	1562U 5.97E-11(4 0.0)	1564 6.79E-11(4 0.0)
1570	5.95E-11(4 0.0)		1572 6.22E-11(5 0.0)	1574 8.30E-11(7 0.0)
1580	5.97E-11(4 0.0)		1582 7.25E-11(6 0.0)	1584 8.04E-11(6 0.0)
1590	6.11E-11(5 0.0)		1592 4.85E-11(4 0.0)	1594 5.12E-11(4 0.0)
1600	4.37E-11(3 0.0)		1602 4.91E-11(4 0.0)	1604 4.21E-11(4 0.0)
1610U	3.50E-11(4 0.0)		1612U 3.96E-11(4 0.0)	1614 5.29E-11(5 0.0)
1620	6.38E-11(7 0.0)		1622 6.77E-11(7 0.0)	1624 6.35E-11(7 0.0)
1630	5.83E-11(7 0.0)		1632 5.40E-11(7 0.0)	1634 5.65E-11(7 0.0)
1640	8.51E-11(7 0.0)		1642 8.37E-11(7 0.0)	1644 7.49E-11(7 0.0)
1650	6.76E-11(7 0.0)		1652 5.91E-11(7 0.0)	1654 6.15E-11(7 0.0)
1660	6.26E-11(7 0.0)		1662 6.27E-11(7 0.0)	1664 6.21E-11(7 0.0)
1670	6.16E-11(7 0.0)		1672 5.65E-11(7 0.0)	1674 5.58E-11(7 0.0)
1680	6.10E-11(7 0.0)		1682 5.86E-11(7 0.0)	1684 6.01E-11(7 0.0)
1690	6.23E-11(7 0.0)		1692 5.99E-11(7 0.0)	1694 5.91E-11(7 0.0)
1700	6.72E-11(7 0.0)		1702 5.86E-11(7 0.0)	1704 5.28E-11(7 0.0)
1710	4.49E-11(7 0.0)		1712 4.75E-11(7 0.0)	1714 4.66E-11(7 0.0)
1720	3.95E-11(7 0.0)		1722 4.12E-11(7 0.0)	1724 4.41E-11(7 0.0)
1730	3.14E-11(7 7.7)		1732 2.49E-11(7 5.5)	1734 2.76E-11(7 1.8)
1740	3.45E-11(8 9.6)		1742 3.85E-11(9 6.5)	1744 4.20E-11(10 5.0)
1750	4.09E-11(1.1 1.9)		1752 4.27E-11(1.1 1.8)	1754 4.54E-11(1.1 4.1)
1760	4.57E-11(1.2 14.3)		1762 4.69E-11(1.3 12.5)	1764 4.92E-11(1.3 7.8)
1770	4.95E-11(1.4 3.1)		1772 4.65E-11(1.4 6.6)	1774 4.37E-11(1.5 7.4)
1780	4.23E-11(1.5 5.0)		1782 4.18E-11(1.5 6.8)	1784 3.97E-11(1.5 9.9)
1790	3.41E-11(1.5 9.0)		1792 3.57E-11(1.5 12.7)	1794 3.85E-11(1.5 16.6)
1800	4.32E-11(1.5 21.0)		1802 4.26E-11(1.5 16.7)	1804 4.17E-11(1.5 13.9)
1810	4.18E-11(1.5 18.6)		1812 4.12E-11(1.5 14.9)	1814 4.04E-11(1.5 14.1)
1820	4.38E-11(1.5 2.9)		1822 4.25E-11(1.5 2.1)	1824 4.04E-11(1.5 2.9)
1830	4.30E-11(1.5 20.4)		1832 4.15E-11(1.5 14.8)	1834 4.19E-11(1.5 17.6)
1840	3.94E-11(1.5 3.2)		1842 3.80E-11(1.5 1.3)	1844 3.92E-11(1.5 2.1)
1850	2.95E-11(1.5 3.8)		1852 2.78E-11(1.5 4.4)	1854 2.87E-11(1.5 5.1)
1860	2.98E-11(1.5 7.4)		1862 2.81E-11(1.5 16.3)	1864 2.46E-11(1.5 12.1)
1870	2.42E-11(1.5 7.7)		1872 2.03E-11(1.5 11.2)	1874 2.00E-11(1.5 13.8)
1880	2.09E-11(1.5 7.8)		1882 2.22E-11(1.5 17.6)	1884 2.16E-11(1.5 14.4)
1890	2.16E-11(1.5 20.9)		1892 1.99E-11(1.5 11.3)	1894 1.90E-11(1.5 10.2)
1900	2.01E-11(1.5 14.8)		1902 1.95E-11(1.5 17.2)	1904 1.98E-11(1.5 9.3)
1910	2.10E-11(1.5 19.7)		1912 1.74E-11(1.5 6.3)	1914 1.69E-11(1.5 6.6)
1920	1.88E-11(1.5 3.4)		1922 1.69E-11(1.5 21.7)	1924 1.65E-11(1.5 22.9)
1930	1.77E-11(1.5 13.9)		1932 1.29E-11(1.5 5.7)	1934 1.24E-11(1.5 8.9)
1940	1.40E-11(1.5 7.2)		1942 1.35E-11(1.5 14.3)	1944 1.36E-11(1.5 12.3)
1950	1.35E-11(1.5 14.2)		1952 1.30E-11(1.5 8.4)	1954 1.23E-11(1.5 11.3)
1960	1.35E-11(1.5 6.5)		1962 1.22E-11(1.5 7.3)	1964 1.18E-11(1.5 3.2)
1970	1.23E-11(1.5 9.3)		1972 1.10E-11(1.5 1.3)	1974 1.14E-11(1.5 2.0)
1980	1.09E-11(1.5 2.2)		1982 1.18E-11(1.5 2.0)	1984 1.17E-11(1.5 5.9)
1990	1.20E-11(1.5 4.4)		1992 1.24E-11(1.5 8.6)	1994 1.26E-11(1.5 7.1)
2000	1.25E-11(1.5 10.2)		2002 1.44E-11(1.5 2.5)	2004 1.47E-11(1.5 5.5)
2010	1.41E-11(1.5 5.5)		2012 1.69E-11(1.4 1.9)	2014 1.70E-11(1.3 2.6)
2020	1.64E-11(1.4 2.1)		2022 1.89E-11(1.3 15.7)	2024 1.93E-11(1.2 16.8)
2030	1.81E-11(1.3 11.6)			
2040	1.81E-11(1.2 11.6)		2042 1.92E-11(1.2 16.5)	2044 1.94E-11(1.2 13.3)
2050	2.62E-11(1.0 9.1)		2052 2.99E-11(1.0 9.9)	2054 3.18E-11(9 9.4)
2060	3.69E-11(8 4.3)		2062 3.80E-11(7 5.9)	2064 3.77E-11(7 6.4)
2070	4.10E-11(6 5.1)		2072 4.18E-11(6 9.1)	2074 4.19E-11(6 7.9)
2080	4.62E-11(5 3.5)		2082 4.51E-11(5 2.1)	2084 4.48E-11(5 10.6)
2090	4.46E-11(4 1.0)		2092 4.53E-11(4 3.2)	2094 4.71E-11(4 3.7)
2100	5.42E-11(3 0.0)		2102 5.52E-11(3 0.0)	2104 5.61E-11(3 0.0)
2110	5.49E-11(3 0.0)		2112 5.49E-11(3 0.0)	2114 5.47E-11(3 0.0)
2120	4.81E-11(3 0.0)		2122 4.73E-11(3 0.0)	2124 4.91E-11(3 0.0)
2130	5.98E-11(2 0.0)		2132 5.89E-11(2 0.0)	2134 5.76E-11(2 0.0)
2140	5.51E-11(2 0.0)		2142 5.20E-11(2 0.0)	2144 4.95E-11(2 0.0)
2150	4.98E-11(2 0.0)		2152 5.13E-11(2 0.0)	2154 5.37E-11(2 0.0)
2160	6.14E-11(2 0.0)		2162 6.11E-11(2 0.0)	2164 5.98E-11(2 0.0)
2170	5.74E-11(2 0.0)		2172 5.76E-11(2 0.0)	2174 5.78E-11(2 0.0)
2180	0.00(0.0 0.0)		2182 0.00(0.0 0.0)	2184 0.00(0.0 0.0)
2190	4.37(7 0.0)		2192 4.77(8 0.0)	2194 4.89(1.5 7.3)
2200	6.11(1.5 2.2)		2202 4.91(6 5.1)	2204 0.00(0.0 0.0)
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LAMBDA	F	(WT, SIG)	F = AVE FLUX FROM LAM-DEL/2 TO LAM+DEL/2
1560U	1.64E-10	(.2 0.0)	1562U 1.85E-10(.2 0.0)
1570U	1.65E-10	(.4 0.0)	1572U 2.26E-10(.4 0.0)
1580U	3.23E-10	(.8 0.0)	1582U 3.15E-10(.8 0.0)
1590U	3.20E-10	(.8 0.0)	1592U 2.90E-10(.8 0.0)
1600U	2.34E-10	(.7 0.0)	1602U 2.07E-10(.6 0.0)
1610U	1.73E-10	(.4 0.0)	1612U 1.74E-10(.5 0.0)
1620U	1.68E-10	(.5 0.0)	1622U 1.79E-10(.5 0.0)
1630U	1.72E-10	(.6 0.0)	1632U 1.95E-10(.8 0.0)
1640U	2.23E-10	(.8 0.0)	1642U 2.17E-10(.8 0.0)
1650U	1.29E-10	(.4 0.0)	1652U 1.26E-10(.5 0.0)
1660U	1.65E-10	(.7 9.3)	1662U 1.90E-10(.8 14.0)
1670U	1.95E-10	(.1 8.3)	1672U 2.12E-10(.1 13.3)
1680U	2.01E-10	(.2 16.1)	1682U 1.85E-10(.2 8.0)
1690U	1.68E-10	(.4 10.1)	1692U 1.47E-10(.4 10.1)
1700U	1.71E-10	(.6 16.0)	1702U 1.79E-10(.6 17.7)
1710U	1.43E-10	(.7 19.1)	1712U 1.47E-10(.7 19.1)
1720U	1.70E-10	(.7 2.2)	1722U 1.82E-10(.7 3.5)
1730U	1.75E-10	(.7 10.8)	1732U 1.78E-10(.7 11.4)
1740U	1.76E-10	(.7 8.5)	1742U 1.85E-10(.7 10.1)
1750U	1.80E-10	(.7 3.9)	1752U 1.76E-10(.7 3.3)
1760U	1.78E-10	(.7 12.5)	1762U 1.73E-10(.7 12.4)
1770U	1.78E-10	(.7 9.1)	1772U 1.71E-10(.7 4.7)
1780U	1.58E-10	(.7 2.7)	1782U 1.65E-10(.7 9.9)
1790U	1.64E-10	(.7 15.2)	1792U 1.57E-10(.7 11.3)
1800U	1.56E-10	(.7 12.3)	1802U 1.54E-10(.7 8.8)
1810U	1.58E-10	(.7 3.3)	1812U 1.56E-10(.7 3.5)
1820U	1.63E-10	(.7 2.9)	1822U 1.60E-10(.7 2.6)
1800U	1.55E-10	(.7 11.1)	1805U 1.52E-10(.7 2.5)
1825U	1.58E-10	(.7 1.9)	1830U 1.63E-10(.7 1.5)
1850U	1.55E-10	(.7 3.3)	1855U 1.52E-10(.7 3.4)
1875U	1.39E-10	(.7 7.7)	1880U 1.44E-10(.7 5.1)
1900U	1.34E-10	(.7 2.2)	1905U 1.26E-10(.7 9.9)
1925U	1.19E-10	(.7 9.9)	1930U 1.15E-10(.7 3.1)
1950U	1.03E-10	(.7 6.2)	1955U 1.05E-10(.7 1.7)
1975U	9.32E-11	(.7 9.9)	1980U 9.35E-11(.7 9.4)
2000U	8.62E-11	(.7 2.1)	2005U 8.44E-11(.7 9.9)
2025U	7.41E-11	(.7 7.6)	2030U 7.27E-11(.7 9.7)
2050U	5.94E-11	(.7 13.8)	2055U 5.85E-11(.7 16.9)
2075U	5.57E-11	(.7 9.1)	2080U 5.33E-11(.7 9.7)
2100U	4.83E-11	(.7 13.9)	2105U 4.84E-11(.7 12.0)
2125U	4.57E-11	(.7 1.3)	2130U 4.55E-11(.7 1.8)
2150U	4.54E-11	(.7 4.4)	2155U 4.51E-11(.7 6.4)
2175U	3.96E-11	(.7 9.0)	2180U 4.10E-11(.7 4.2)
2200U	4.29E-11	(.7 9.3)	2205U 4.51E-11(.6 5.8)
2225U	4.21E-11	(.6 4.8)	2230U 4.24E-11(.6 4.2)
2250U	4.32E-11	(.6 6.2)	2255U 4.45E-11(.6 3.9)
2275U	5.11E-11	(.5 3.3)	2280U 5.06E-11(.5 1.7)
2300U	5.03E-11	(.5 1.3)	2305U 5.25E-11(.5 1.7)
2300U	5.04E-11	(.4 1.2)	2310U 5.45E-11(.4 3.2)
2350U	6.08E-11	(.3 3.3)	2360U 6.22E-11(.3 7.6)
2400U	6.32E-11	(.2 6.4)	2410U 6.45E-11(.2 2.2)
2450U	6.90E-11	(.1 5.4)	2460U 7.04E-11(.1 11.4)
2500U	7.57E-11	(.0 15.5)	2510U 7.71E-11(.0 12.3)
2550U	7.38E-11	(.0 9.1)	2560U 7.58E-11(.0 8.7)
2600U	8.35E-11	(.0 7.1)	2610U 7.97E-11(.0 14.6)
2650E	8.51E-11	(.0 13.7)	2660E 8.33E-11(.0 13.5)
135U	0.00E-10	(0.0 0.0)	139U 0.00E-10(0.0 0.0)
166U	3.30E-10	(.9 0.0)	172U 3.33E-10(1.6 10.1)
219U	4.78E-10	(.6 5.6)	245U 4.29E-10(1.1 7.4)
148U	0.00E-10	(0.0 0.0)	181U 3.40E-10(1.7 5.0)
154U	0.00E-10	(0.0 0.0)	192U 3.71E-10(1.7 1.4)
161U	3.07E-10	(.6 0.0)	204U 4.31E-10(1.7 7.9)
166U	0.00E-10	(0.0 0.0)	219U 0.00E-10(0.0 0.0)
1566U	2.22E-10	(.3 0.0)	1566U 2.22E-10(.3 0.0)
1576U	2.76E-10	(.6 0.0)	1576U 2.76E-10(.6 0.0)
1586U	3.16E-10	(.8 0.0)	1586U 3.16E-10(.8 0.0)
1596U	3.09E-10	(.8 0.0)	1596U 3.09E-10(.8 0.0)
1606U	1.72E-10	(.5 0.0)	1606U 1.72E-10(.5 0.0)
1616U	2.04E-10	(.6 0.0)	1616U 2.04E-10(.6 0.0)
1626U	1.79E-10	(.6 0.0)	1626U 1.79E-10(.6 0.0)
1636U	1.88E-10	(.7 0.0)	1636U 1.88E-10(.7 0.0)
1646U	1.01E-10	(.4 0.0)	1646U 1.01E-10(.4 0.0)
1656U	1.43E-10	(.5 0.0)	1656U 1.43E-10(.5 0.0)
1666U	1.79E-10	(.9 15.4)	1666U 1.79E-10(.9 15.4)
1676U	2.12E-10	(.1 17.6)	1676U 2.12E-10(.1 17.6)
1686U	1.84E-10	(.3 4.2)	1686U 1.84E-10(.3 4.2)
1696U	1.54E-10	(.5 15.4)	1696U 1.54E-10(.5 15.4)
1706U	1.45E-10	(.7 4.0)	1706U 1.45E-10(.7 4.0)
1716U	1.47E-10	(.7 16.9)	1716U 1.47E-10(.7 16.9)
1726U	1.83E-10	(.7 9.9)	1726U 1.83E-10(.7 9.9)
1736U	1.68E-10	(.7 4.1)	1736U 1.68E-10(.7 4.1)
1746U	1.84E-10	(.7 9.0)	1746U 1.84E-10(.7 9.0)
1756U	1.82E-10	(.7 8.3)	1756U 1.82E-10(.7 8.3)
1766U	1.81E-10	(.7 14.8)	1766U 1.81E-10(.7 14.8)
1776U	1.59E-10	(.7 3.5)	1776U 1.59E-10(.7 3.5)
1786U	1.72E-10	(.7 15.3)	1786U 1.72E-10(.7 15.3)
1796U	1.52E-10	(.7 5.6)	1796U 1.52E-10(.7 5.6)
1806U	1.52E-10	(.7 1.8)	1806U 1.52E-10(.7 1.8)
1816U	1.55E-10	(.7 1.5)	1816U 1.55E-10(.7 1.5)
1826U	1.58E-10	(.7 1.2)	1826U 1.58E-10(.7 1.2)
1815U	1.55E-10	(.7 1.8)	1815U 1.55E-10(.7 1.8)
1840U	1.47E-10	(.7 2.1)	1840U 1.47E-10(.7 2.1)
1865U	1.55E-10	(.7 4.6)	1865U 1.55E-10(.7 4.6)
1890U	1.42E-10	(.7 1.5)	1890U 1.42E-10(.7 1.5)
1915U	1.20E-10	(.7 2.7)	1915U 1.20E-10(.7 2.7)
1940U	1.07E-10	(.7 3.0)	1940U 1.07E-10(.7 3.0)
1965U	9.85E-11	(.7 1.4)	1965U 9.85E-11(.7 1.4)
1990U	9.05E-11	(.7 7.6)	1990U 9.05E-11(.7 7.6)
2015U	8.22E-11	(.7 1.7)	2015U 8.22E-11(.7 1.7)
2040U	6.60E-11	(.7 6.3)	2040U 6.60E-11(.7 6.3)
2065U	5.80E-11	(.7 16.8)	2065U 5.80E-11(.7 16.8)
2090U	5.18E-11	(.7 11.6)	2090U 5.18E-11(.7 11.6)
2115U	4.61E-11	(.7 9.2)	2115U 4.61E-11(.7 9.2)
2140U	4.39E-11	(.7 8.7)	2140U 4.39E-11(.7 8.7)
2165U	4.12E-11	(.7 10.8)	2165U 4.12E-11(.7 10.8)
2190U	4.04E-11	(.7 9.0)	2190U 4.04E-11(.7 9.0)
2215U	4.49E-11	(.6 3.0)	2215U 4.49E-11(.6 3.0)
2240U	4.14E-11	(.6 8.2)	2240U 4.14E-11(.6 8.2)
2265U	4.80E-11	(.6 1.5)	2265U 4.80E-11(.6 1.5)
2290U	4.87E-11	(.5 5.0)	2290U 4.87E-11(.5 5.0)
2315U	5.58E-11	(.4 3.4)	2315U 5.58E-11(.4 3.4)
2340U	5.85E-11	(.3 1.3)	2340U 5.85E-11(.3 1.3)
2360U	6.33E-11	(.2 7.9)	2360U 6.33E-11(.2 7.9)
2380U	6.51E-11	(.2 5.0)	2380U 6.51E-11(.2 5.0)
2400U	7.45E-11	(.0 14.4)	2400U 7.45E-11(.0 14.4)
2420U	7.22E-11	(.0 11.6)	2420U 7.22E-11(.0 11.6)
2440U	8.63E-11	(.0 7.1)	2440U 8.63E-11(.0 7.1)
2460U	8.25E-11	(.0 15.8)	2460U 8.25E-11(.0 15.8)
2480U	7.58E-11	(.0 23.3)	2480U 7.58E-11(.0 23.3)

X,Y(MM) -17.4-12.7 SL3-103 17 SCANS, T= 233 HR 6272 WT .9, SCALE .70  
X,Y(MM) -17.4-12.7 SL3-104 19 SCANS, T= 271 HR 6272 WT .8, SCALE 1.29

R = 0.46:



LAMBDA	F	(WT.	SIG)	F = AVE FLUX FROM LAM-DEL/2 TO LAM+DEL/2															
1540	0	(0.0	0.0)	1542U	4.63E-10	(.3	0.0)	1544U	4.50E-10	(.3	0.0)	1546U	4.52E-10	(.4	0.0)	1548	5.93E-10	(.4	0.0)
1550	5.87E-10	(.4	0.0)	1552U	4.33E-10	(.4	0.0)	1554U	4.40E-10	(.3	0.0)	1556U	4.59E-10	(.3	0.0)	1558U	4.06E-10	(.4	0.0)
1560	5.64E-10	(.4	0.0)	1562U	4.85E-10	(.4	0.0)	1564U	3.98E-10	(.4	0.0)	1566	4.60E-10	(.4	0.0)	1568U	5.03E-10	(.5	0.0)
1570	5.58E-10	(.6	0.0)	1572	5.97E-10	(.7	0.0)	1574	5.88E-10	(.7	0.0)	1576	5.68E-10	(.7	0.0)	1578	5.81E-10	(.7	0.0)
1580	5.74E-10	(.6	0.0)	1582U	4.40E-10	(.6	0.0)	1584	4.38E-10	(.6	0.0)	1586	5.15E-10	(.7	0.0)	1588	5.64E-10	(.8	0.0)
1590	5.74E-10	(.8	0.0)	1592	5.63E-10	(.8	0.0)	1594	5.37E-10	(.8	0.0)	1596	5.07E-10	(.7	0.0)	1598	4.26E-10	(.6	0.0)
1600U	3.40E-10	(.5	0.0)	1602U	3.23E-10	(.4	0.0)	1604U	3.59E-10	(.5	0.0)	1606	4.08E-10	(.6	0.0)	1608	4.40E-10	(.6	0.0)
1610	3.84E-10	(.6	0.0)	1612U	3.32E-10	(.5	0.0)	1614U	3.48E-10	(.5	0.0)	1616	4.15E-10	(.6	0.0)	1618	3.84E-10	(.6	0.0)
1620	3.43E-10	(.6	0.0)	1622	3.67E-10	(.6	0.0)	1624	3.60E-10	(.6	0.0)	1626	2.98E-10	(.5	0.0)	1628U	2.62E-10	(.4	0.0)
1630	2.85E-10	(.4	0.0)	1632U	2.83E-10	(.4	0.0)	1634U	2.86E-10	(.5	0.0)	1636	3.32E-10	(.6	0.0)	1638	2.80E-10	(.7	0.0)
1640	3.64E-10	(.7	0.0)	1642	3.31E-10	(.6	0.0)	1644U	2.88E-10	(.6	0.0)	1646	3.16E-10	(.7	0.0)	1648	3.69E-10	(.8	0.0)
1650	3.96E-10	(.9	0.0)	1652	4.35E-10	(1.0	0.0)	1654	4.57E-10	(1.0	0.0)	1656	4.42E-10	(1.0	0.0)	1658	4.24E-10	(1.0	0.0)
1660	4.20E-10	(1.0	0.0)	1662	4.00E-10	(1.0	0.0)	1664	3.93E-10	(1.0	0.0)	1666	3.92E-10	(1.0	0.0)	1668	3.84E-10	(1.0	0.0)
1670	4.04E-10	(1.0	0.0)	1672	4.06E-10	(1.0	0.0)	1674	3.90E-10	(1.0	0.0)	1676	3.97E-10	(1.0	0.0)	1678	3.91E-10	(1.0	0.0)
1680	3.82E-10	(1.0	0.0)	1682	3.83E-10	(1.0	0.0)	1684	3.93E-10	(1.0	0.0)	1686	4.06E-10	(1.0	0.0)	1688	4.09E-10	(1.0	0.0)
1690	3.91E-10	(1.0	0.0)	1692	3.80E-10	(1.0	0.0)	1694	3.49E-10	(1.0	0.0)	1696	3.11E-10	(1.0	0.0)	1698	3.09E-10	(1.0	0.0)
1700	3.10E-10	(1.0	0.0)	1702	3.12E-10	(1.0	0.0)	1704	3.06E-10	(1.0	0.0)	1706	2.75E-10	(.9	0.0)	1708	2.51E-10	(.9	0.0)
1710	2.84E-10	(1.0	0.0)	1712	3.37E-10	(1.0	0.0)	1714	3.56E-10	(1.0	0.0)	1716	3.37E-10	(1.0	0.0)	1718	2.97E-10	(1.0	0.0)
1720	2.63E-10	(1.0	0.0)	1722	2.44E-10	(.9	0.0)	1724	2.50E-10	(1.0	0.0)	1726	2.85E-10	(1.0	0.0)	1728	3.12E-10	(1.0	0.0)
1730	3.13E-10	(1.0	0.0)	1732	3.04E-10	(1.0	0.0)	1734	2.91E-10	(1.0	0.0)	1736	2.82E-10	(1.0	0.0)	1738	2.81E-10	(1.0	0.0)
1740	2.90E-10	(1.0	0.0)	1742	3.07E-10	(1.0	0.0)	1744	3.25E-10	(.9	0.0)	1746	3.26E-10	(.9	0.0)	1748	3.30E-10	(.9	0.0)
1750	3.43E-10	(.9	0.0)	1752	3.53E-10	(.9	0.0)	1754	3.42E-10	(.9	0.0)	1756	3.16E-10	(.9	0.0)	1758	3.11E-10	(.9	0.0)
1760	3.32E-10	(.9	0.0)	1762	3.52E-10	(.9	0.0)	1764	3.51E-10	(.9	0.0)	1766	3.35E-10	(.9	0.0)	1768	3.23E-10	(.9	0.0)
1770	3.15E-10	(.9	0.0)	1772	3.07E-10	(.9	0.0)	1774	3.01E-10	(.9	0.0)	1776	2.95E-10	(.9	0.0)	1778	2.87E-10	(.9	0.0)
1780	2.84E-10	(.9	0.0)	1782	2.84E-10	(.9	0.0)	1784	2.81E-10	(.9	0.0)	1786	2.72E-10	(.9	0.0)	1788	2.61E-10	(.9	0.0)
1790	2.52E-10	(.9	0.0)	1792	2.57E-10	(.9	0.0)	1794	2.72E-10	(.9	0.0)	1796	2.81E-10	(.9	0.0)	1798	2.78E-10	(.9	0.0)
1800	2.80E-10	(.9	0.0)	1802	2.84E-10	(.9	0.0)	1804	2.84E-10	(.9	0.0)	1806	2.83E-10	(.9	0.0)	1808	2.84E-10	(.9	0.0)
1810	2.85E-10	(.8	0.0)	1812	2.78E-10	(.8	0.0)	1814	2.70E-10	(.8	0.0)	1816	2.64E-10	(.8	0.0)	1818	2.66E-10	(.8	0.0)
1820	2.66E-10	(.8	0.0)	1822	2.71E-10	(.8	0.0)	1824	2.78E-10	(.8	0.0)	1826	2.93E-10	(.8	0.0)	1828	0	(.0	0.0)
1800	2.79E-10	(.9	0.0)	1805	2.84E-10	(.9	0.0)	1810	2.84E-10	(.9	0.0)	1815	2.68E-10	(.8	0.0)	1820	2.67E-10	(.8	0.0)
1825	2.86E-10	(.8	0.0)	1830	2.95E-10	(.8	0.0)	1835	2.77E-10	(.8	0.0)	1840	2.64E-10	(.8	0.0)	1845	2.66E-10	(.8	0.0)
1850	2.61E-10	(.8	0.0)	1855	2.68E-10	(.8	0.0)	1860	2.62E-10	(.8	0.0)	1865	2.63E-10	(.8	0.0)	1870	2.44E-10	(.8	0.0)
1875	2.33E-10	(.8	0.0)	1880	2.30E-10	(.8	0.0)	1885	2.34E-10	(.8	0.0)	1890	2.40E-10	(.8	0.0)	1895	2.04E-10	(.8	0.0)
1900	1.94E-10	(.8	0.0)	1905	1.90E-10	(.8	0.0)	1910	1.90E-10	(.8	0.0)	1915	1.88E-10	(.8	0.0)	1920	1.70E-10	(.8	0.0)
1925	1.57E-10	(.8	0.0)	1930	1.70E-10	(.8	0.0)	1935	1.81E-10	(.8	0.0)	1940	1.68E-10	(.8	0.0)	1945	1.78E-10	(.8	0.0)
1950	1.90E-10	(.8	0.0)	1955	1.81E-10	(.8	0.0)	1960	1.86E-10	(.8	0.0)	1965	1.93E-10	(.8	0.0)	1970	1.96E-10	(.8	0.0)
1975	1.96E-10	(.8	0.0)	1980	1.94E-10	(.7	0.0)	1985	1.99E-10	(.7	0.0)	1990	1.91E-10	(.7	0.0)	1995	1.79E-10	(.7	0.0)
2000	1.79E-10	(.7	0.0)	2005	1.88E-10	(.7	0.0)	2010	1.95E-10	(.7	0.0)	2015	1.91E-10	(.7	0.0)	2020	1.79E-10	(.7	0.0)
2025	1.79E-10	(.7	0.0)	2030	1.92E-10	(.7	0.0)	2035	1.96E-10	(.7	0.0)	2040	1.94E-10	(.6	0.0)	2045	1.84E-10	(.6	0.0)
2050	1.82E-10	(.6	0.0)	2055	1.95E-10	(.6	0.0)	2060	2.06E-10	(.6	0.0)	2065	2.11E-10	(.6	0.0)	2070	2.11E-10	(.6	0.0)
2075	2.10E-10	(.6	0.0)	2080	2.04E-10	(.6	0.0)	2085	1.96E-10	(.6	0.0)	2090	1.85E-10	(.6	0.0)	2095	1.82E-10	(.6	0.0)
2100	1.87E-10	(.6	0.0)	2105	1.88E-10	(.6	0.0)	2110	1.82E-10	(.6	0.0)	2115	1.84E-10	(.5	0.0)	2120	1.95E-10	(.5	0.0)
2125	2.02E-10	(.5	0.0)	2130	2.02E-10	(.5	0.0)	2135	1.97E-10	(.5	0.0)	2140	1.87E-10	(.5	0.0)	2145	1.78E-10	(.5	0.0)
2150	1.77E-10	(.5	0.0)	2155	1.85E-10	(.5	0.0)	2160E	1.94E-10	(.5	0.0)	2165E	2.01E-10	(.5	0.0)	2170E	2.06E-10	(.4	0.0)
2175E	2.05E-10	(.4	0.0)	2180E	2.02E-10	(.4	0.0)	2185E	2.00E-10	(.4	0.0)	2190E	1.97E-10	(.4	0.0)	2195E	1.93E-10	(.4	0.0)
2200E	1.91E-10	(.4	0.0)	2205E	1.86E-10	(.4	0.0)	2210E	1.81E-10	(.4	0.0)	2215E	1.81E-10	(.4	0.0)	2220E	1.83E-10	(.4	0.0)
2225E	1.82E-10	(.4	0.0)	2230E	1.83E-10	(.4	0.0)	2235E	1.84E-10	(.4	0.0)	2240E	1.90E-10	(.4	0.0)	2245E	1.92E-10	(.4	0.0)
2250E	1.92E-10	(.4	0.0)	2255E	1.89E-10	(.4	0.0)	2260E	1.90E-10	(.4	0.0)	2265E	1.91E-10	(.4	0.0)	2270E	1.90E-10	(.4	0.0)
2275E	1.88E-10	(.4	0.0)	2280E	1.95E-10	(.3	0.0)	2285E	2.04E-10	(.3	0.0)	2290E	2.08E-10	(.3	0.0)	2295E	2.06E-10	(.3	0.0)
2300E	2.01E-10	(.3	0.0)	2305E	1.96E-10	(.3	0.0)	2310E	1.95E-10	(.3	0.0)	2315E	1.96E-10	(.3	0.0)	2320E	0	(.0	0.0)
2300E	2.01E-10	(.3	0.0)	2310E	1.96E-10	(.3	0.0)	2320E	1.94E-10	(.3	0.0)	2330E	2.00E-10	(.3	0.0)	2340E	2.01E-10	(.3	0.0)
2350E	1.92E-10	(.3	0.0)	2360E	1.98E-10	(.3	0.0)	2370E	2.04E-10	(.3	0.0)	2380E	2.03E-10	(.2	0.0)	2390E	2.03E-10	(.2	0.0)
2400E	1.97E-10	(.2	0.0)	2410E	1.94E-10	(.2	0.0)	2420E	1.97E-10	(.2	0.0)	2430E	1.92E-10	(.2	0.0)	2440E	1.89E-10	(.2	0.0)
2450E	1.86E-10	(.2	0.0)	2460E	1.96E-10	(.2	0.0)	2470E	1.93E-10	(.2	0.0)	2480E	1.89E-10	(.2	0.0)	2490E	1.94E-10	(.2	0.0)
2500E	1.98E-10	(.2	0.0)	2510E	1.93E-10	(.2	0.0)	2520E	1.90E-10	(.2	0.0)	2530E	1.91E-10	(.2	0.0)	2540E	1.94E-10	(.2	0.0)
2550E	2.03E-10	(.2	0.0)	2560E	2.07E-10	(.2	0.0)	2570E	2.07E-10	(.2	0.0)	2580E	2.02E-10	(.2	0.0)	2590E	1.96E-10	(.2	0.0)
2600E	1.90E-10	(.2	0.0)	2610E	1.88E-10	(.2	0.0)	2620E	1.84E-10	(.2	0.0)	2630E	1.77E-10	(.2	0.0)	2640E	1.72E-10	(.2	0.0)
2650E	1.68E-10	(.2	0.0)	2660E	1.69E-10	(.1	0.0)	2670E	1.78E-10	(.1	0.0)	2680E	1.86E-10	(.1	0.0)	2690E	1.95E-10	(.1	0.0)

135. 0.00(0.0 0.0) 139. 0.00(0.0 0.0) 148. 0.00(0.0 0.0) 154. 0.00(0.0 0.0) 161. 2.42(.6 0.0)  
 166. 2.43(.9 0.0) 172. 2.68(1.0 0.0) 181. 2.79(.9 0.0) 192. 3.17(.8 0.0) 204. 3.19(.7 0.0)  
 219E. 3.19(.4 0.0) 245E. 3.17(.2 0.0) 280. 0.00(0.0 0.0) 360. 0.00(0.0 0.0) 0. 0.00(0.0 0.0)

X,Y(MM) -4.9 18.1 SL3-209 23 SCANS, T= 223 HR 6304 WT 1.0,SCALE 1.00

R = 0.28:



HD 153716

HR 6320

HD 153716

LAMBDA, F (WT, SIG) F = AVE FLUX FROM LAM-DEL/2 TO LAM+DEL/2

1590, 0.00E+00 (0.00)	1592U, 1.79E-10 (.40)	1594, 2.21E-10 (.50)	1596, 2.26E-10 (.60)	1598, 2.17E-10 (.60)
1600, 2.30E-10 (.60)	1602, 2.44E-10 (.70)	1604, 2.18E-10 (.60)	1606, 1.98E-10 (.60)	1608, 2.07E-10 (.60)
1610, 2.19E-10 (.70)	1612, 2.41E-10 (.80)	1614, 2.40E-10 (.80)	1616, 2.32E-10 (.80)	1618, 2.15E-10 (.70)
1620, 2.08E-10 (.70)	1622, 2.04E-10 (.70)	1624, 1.98E-10 (.70)	1626, 2.12E-10 (.80)	1628, 2.21E-10 (.80)
1630, 2.00E-10 (.80)	1632, 1.94E-10 (.70)	1634, 1.91E-10 (.70)	1636, 1.84E-10 (.70)	1638, 1.86E-10 (.80)
1640, 1.94E-10 (.80)	1642, 1.89E-10 (.80)	1644, 1.91E-10 (.80)	1646, 2.07E-10 (.90)	1648, 2.12E-10 (.90)
1650, 2.10E-10 (1.00)	1652, 1.88E-10 (.90)	1654, 1.82E-10 (.90)	1656, 1.91E-10 (.90)	1658, 2.01E-10 (1.00)
1660, 2.19E-10 (1.00)	1662, 2.24E-10 (1.00)	1664, 2.12E-10 (1.00)	1666, 1.99E-10 (1.00)	1668, 1.96E-10 (1.00)
1670, 2.03E-10 (1.00)	1672, 2.02E-10 (1.00)	1674, 1.91E-10 (1.00)	1676, 1.96E-10 (1.00)	1678, 1.96E-10 (1.00)
1680, 1.80E-10 (1.00)	1682, 1.80E-10 (1.00)	1684, 1.87E-10 (1.00)	1686, 1.81E-10 (1.00)	1688, 1.85E-10 (1.00)
1690, 1.94E-10 (1.00)	1692, 1.83E-10 (1.00)	1694, 1.72E-10 (1.00)	1696, 1.83E-10 (1.00)	1698, 2.04E-10 (1.00)
1700, 2.12E-10 (1.00)	1702, 2.19E-10 (1.00)	1704, 2.23E-10 (1.00)	1706, 2.16E-10 (1.00)	1708, 2.11E-10 (1.00)
1710, 2.07E-10 (1.00)	1712, 2.01E-10 (1.00)	1714, 2.02E-10 (1.00)	1716, 2.03E-10 (1.00)	1718, 1.95E-10 (1.00)
1720, 1.82E-10 (1.00)	1722, 1.73E-10 (1.00)	1724, 1.72E-10 (1.00)	1726, 1.80E-10 (1.00)	1728, 1.89E-10 (1.00)
1730, 1.85E-10 (1.00)	1732, 1.76E-10 (1.00)	1734, 1.78E-10 (1.00)	1736, 1.88E-10 (1.00)	1738, 1.96E-10 (1.00)
1740, 1.96E-10 (1.00)	1742, 1.87E-10 (1.00)	1744, 1.81E-10 (1.00)	1746, 1.90E-10 (1.00)	1748, 2.06E-10 (1.00)
1750, 2.17E-10 (1.00)	1752, 2.13E-10 (1.00)	1754, 2.02E-10 (1.00)	1756, 2.03E-10 (1.00)	1758, 2.14E-10 (1.00)
1760, 2.17E-10 (1.00)	1762, 2.05E-10 (1.00)	1764, 1.95E-10 (1.00)	1766, 1.97E-10 (1.00)	1768, 2.03E-10 (1.00)
1770, 2.03E-10 (1.00)	1772, 2.00E-10 (1.00)	1774, 2.00E-10 (1.00)	1776, 1.99E-10 (1.00)	1778, 1.97E-10 (1.00)
1780, 1.96E-10 (1.00)	1782, 1.98E-10 (1.00)	1784, 2.03E-10 (1.00)	1786, 2.07E-10 (1.00)	1788, 2.10E-10 (1.00)
1790, 2.08E-10 (1.00)	1792, 2.02E-10 (1.00)	1794, 1.95E-10 (1.00)	1796, 1.92E-10 (1.00)	1798, 1.94E-10 (1.00)
1800, 1.93E-10 (1.00)	1802, 1.92E-10 (1.00)	1804, 1.93E-10 (1.00)	1806, 1.96E-10 (1.00)	1808, 1.97E-10 (.90)
1810, 1.96E-10 (.90)	1812, 1.94E-10 (.90)	1814, 1.94E-10 (.90)	1816, 1.95E-10 (.90)	1818, 1.95E-10 (.90)
1820, 1.95E-10 (.90)	1822, 1.97E-10 (.90)	1824, 2.01E-10 (.90)	1826, 2.06E-10 (.90)	0.00 (0.00)
1800, 1.93E-10 (1.00)	1805, 1.93E-10 (1.00)	1810, 1.96E-10 (.90)	1815, 1.95E-10 (.90)	1820, 1.95E-10 (.90)
1825, 2.03E-10 (.90)	1830, 1.97E-10 (.90)	1835, 2.02E-10 (.90)	1840, 2.05E-10 (.90)	1845, 1.98E-10 (.90)
1850, 1.90E-10 (.90)	1855, 1.73E-10 (.90)	1860, 1.69E-10 (.90)	1865, 1.74E-10 (.90)	1870, 1.77E-10 (.90)
1875, 1.69E-10 (.90)	1880, 1.79E-10 (.80)	1885, 1.79E-10 (.80)	1890, 1.87E-10 (.80)	1895, 1.78E-10 (.80)
1900, 1.64E-10 (.80)	1905, 1.72E-10 (.80)	1910, 1.74E-10 (.80)	1915, 1.68E-10 (.80)	1920, 1.59E-10 (.80)
1925, 1.49E-10 (.80)	1930, 1.50E-10 (.80)	1935, 1.55E-10 (.80)	1940, 1.49E-10 (.80)	1945, 1.46E-10 (.80)
1950, 1.47E-10 (.80)	1955, 1.49E-10 (.80)	1960, 1.54E-10 (.80)	1965, 1.64E-10 (.70)	1970, 1.59E-10 (.70)
1975, 1.45E-10 (.70)	1980, 1.43E-10 (.80)	1985, 1.47E-10 (.70)	1990, 1.44E-10 (.70)	1995, 1.42E-10 (.70)
2000, 1.41E-10 (.70)	2005, 1.36E-10 (.70)	2010, 1.38E-10 (.70)	2015, 1.45E-10 (.70)	2020, 1.46E-10 (.70)
2025, 1.41E-10 (.70)	2030, 1.38E-10 (.60)	2035, 1.40E-10 (.60)	2040, 1.40E-10 (.60)	2045, 1.42E-10 (.60)
2050, 1.41E-10 (.60)	2055, 1.41E-10 (.60)	2060, 1.40E-10 (.60)	2065, 1.35E-10 (.60)	2070, 1.36E-10 (.60)
2075, 1.42E-10 (.60)	2080, 1.45E-10 (.50)	2085, 1.47E-10 (.50)	2090, 1.49E-10 (.50)	2095, 1.41E-10 (.50)
2100, 1.29E-10 (.50)	2105, 1.24E-10 (.50)	2110, 1.32E-10 (.50)	2115, 1.42E-10 (.50)	2120, 1.52E-10 (.40)
2125, 1.52E-10 (.40)	2130, 1.48E-10 (.40)	2135, 1.40E-10 (.40)	2140, 1.32E-10 (.50)	2145, 1.29E-10 (.50)
2150, 1.37E-10 (.40)	2155, 1.32E-10 (.40)	2160, 1.39E-10 (.40)	2165, 1.47E-10 (.40)	2170, 1.46E-10 (.40)
2175, 1.29E-10 (.40)	2180, 1.29E-10 (.40)	2185, 1.30E-10 (.40)	2190, 1.31E-10 (.40)	2195, 1.32E-10 (.40)
2200, 1.31E-10 (.40)	2205, 1.29E-10 (.40)	2210, 1.30E-10 (.40)	2215, 1.32E-10 (.40)	2220, 1.29E-10 (.40)
2225, 1.27E-10 (.40)	2230, 1.29E-10 (.30)	2235, 1.29E-10 (.30)	2240, 1.26E-10 (.30)	2245, 1.22E-10 (.30)
2250, 1.23E-10 (.30)	2255, 1.27E-10 (.30)	2260, 1.30E-10 (.30)	2265, 1.39E-10 (.30)	2270, 1.42E-10 (.30)
2275, 1.39E-10 (.30)	2280, 1.35E-10 (.30)	2285, 1.32E-10 (.30)	2290, 1.33E-10 (.30)	2295, 1.38E-10 (.20)
2300, 1.42E-10 (.20)	2305, 1.40E-10 (.20)	2310, 1.38E-10 (.20)	2315, 1.38E-10 (.20)	0.00 (0.00)
2300E, 1.41E-10 (.20)	2310E, 1.38E-10 (.20)	2320E, 1.38E-10 (.20)	2330E, 1.40E-10 (.20)	2340E, 1.38E-10 (.20)
2350E, 1.32E-10 (.20)	2360E, 1.30E-10 (.20)	2370E, 1.27E-10 (.20)	2380E, 1.27E-10 (.20)	2390E, 1.32E-10 (.20)
135, 0.00 (0.00)	139, 0.00 (0.00)	148, 0.00 (0.00)	154, 0.00 (0.00)	161, 0.00 (0.00)
166, 3.17 (.90)	172, 3.17 (1.00)	181, 3.16 (.90)	192, 3.37 (.80)	204, 3.53 (.60)
219E, 3.58 (.40)	245, 0.00 (0.00)	280, 0.00 (0.00)	360, 0.00 (0.00)	0.00 (0.00)

X, Y (MM) 0.1, 2.7, 8 SL3-209 19 SCANS, T= 223 HR 6320 WT 1.0, SCALE 1.00

0.66

R = 0.91:



LAMBDA, F (WT, SIG)			F = AVE FLUX FROM LAM-DEL/2 TO LAM-DEL/2			LAMBDA, F (WT, SIG)			F = AVE FLUX FROM LAM-DEL/2 TO LAM-DEL/2		
1392U	4.48E-10	(1.1 0.0)	1392U	4.70E-10	(2.0 0.0)	1394U	4.75E-10	(1.1 0.0)	1395U	2.28E-10	(2.0 0.0)
1400U	4.03E-10	(1.1 0.0)	1402U	3.59E-10	(1.0 0.0)	1404U	3.73E-10	(1.1 0.0)	1406U	2.84E-10	(2.0 0.0)
1410U	2.63E-10	(1.1 0.0)	1412U	3.74E-10	(1.0 0.0)	1414U	3.55E-10	(2.0 0.0)	1416U	3.86E-10	(2.0 0.0)
1420U	4.47E-10	(2.0 0.0)	1422U	3.79E-10	(2.0 0.0)	1424U	2.62E-10	(2.0 0.0)	1426U	3.28E-10	(2.0 0.0)
1430U	4.05E-10	(4.0 0.0)	1432E	5.30E-10	(4.0 0.0)	1434U	4.80E-10	(4.0 0.0)	1436U	3.90E-10	(4.0 0.0)
1440	4.60E-10	(4.0 0.0)	1442E	5.12E-10	(5.0 0.0)	1444	4.64E-10	(5.0 0.0)	1446U	4.06E-10	(5.0 0.0)
1450	5.02E-10	(5.0 0.0)	1452U	4.08E-10	(5.0 0.0)	1454U	3.88E-10	(4.0 0.0)	1456U	3.67E-10	(4.0 0.0)
1460U	3.69E-10	(5.0 0.0)	1462	4.28E-10	(6.0 0.0)	1464	4.39E-10	(6.0 0.0)	1466	4.05E-10	(6.0 0.0)
1470U	4.19E-10	(6.0 0.0)	1472	3.92E-10	(6.0 0.0)	1474	4.37E-10	(6.0 0.0)	1476	3.85E-10	(6.0 0.0)
1480	4.24E-10	(7.0 0.0)	1482	4.01E-10	(7.0 0.0)	1484	3.86E-10	(8.0 0.0)	1486	3.59E-10	(8.0 0.0)
1490	4.76E-10	(10.0 0.0)	1492	4.19E-10	(9.0 0.0)	1494U	3.81E-10	(8.0 0.0)	1496	4.13E-10	(8.0 0.0)
1500U	3.45E-10	(7.8 3.0)	1502U	3.60E-10	(8.4 8.0)	1504U	3.73E-10	(8.3 3.0)	1506	4.19E-10	(10.0 3.6)
1510	4.57E-10	(12.2 20.8)	1512	4.37E-10	(12.23.1)	1514	4.28E-10	(12.18.7)	1516	4.23E-10	(12.14.1)
1520	4.23E-10	(12.2 16.4)	1522	3.82E-10	(12.11.4)	1524	3.42E-10	(10.21.2)	1526	3.20E-10	(10.22.2)
1530U	3.34E-10	(9.8 8.9)	1532U	2.86E-10	(8.17.2)	1534U	2.72E-10	(6.30.1)	1536U	2.07E-10	(4.48.1)
1540U	1.68E-10	(3.29.1)	1542U	1.52E-10	(4.10.8)	1544U	1.84E-10	(5.2.0)	1546U	2.06E-10	(7.8.1)
1550U	1.68E-10	(1.20.0)	1552	3.69E-10	(11.13.7)	1554	3.7E-10	(13.6.9)	1556	3.52E-10	(11.13.9)
1560	3.08E-10	(1.1 5.0)	1562	2.96E-10	(1.1 5.0)	1564	3.01E-10	(1.1 5.0)	1566	2.80E-10	(1.1 5.0)
1570	2.96E-10	(1.1 5.0)	1572	2.96E-10	(1.1 5.0)	1574	2.85E-10	(1.1 5.0)	1576	2.80E-10	(1.1 5.0)
1580	3.08E-10	(1.1 5.0)	1582	3.18E-10	(1.1 5.0)	1584	3.24E-10	(1.1 5.0)	1586	3.07E-10	(1.1 5.0)
1590	2.98E-10	(1.1 5.0)	1592	2.98E-10	(1.1 5.0)	1594	2.95E-10	(1.1 5.0)	1596	2.94E-10	(1.1 5.0)
1600	3.00E-10	(1.1 5.0)	1602	3.06E-10	(1.1 5.0)	1604	2.93E-10	(1.1 5.0)	1606	2.71E-10	(1.1 5.0)
1610	2.36E-10	(1.1 5.0)	1612	2.33E-10	(1.1 5.0)	1614	2.33E-10	(1.1 5.0)	1616	2.48E-10	(1.1 5.0)
1620	2.40E-10	(1.1 5.0)	1622	2.40E-10	(1.1 5.0)	1624	2.48E-10	(1.1 5.0)	1626	2.40E-10	(1.1 5.0)
1630	2.44E-10	(1.1 5.0)	1632	2.54E-10	(1.1 5.0)	1634	2.68E-10	(1.1 5.0)	1636	2.81E-10	(1.1 5.0)
1640	2.64E-10	(1.1 5.0)	1642	2.65E-10	(1.1 5.0)	1644	2.74E-10	(1.1 5.0)	1646	2.88E-10	(1.1 5.0)
1650	2.80E-10	(1.1 5.0)	1652	2.72E-10	(1.1 5.0)	1654	2.77E-10	(1.1 5.0)	1656	2.95E-10	(1.1 5.0)
1660	2.74E-10	(1.1 5.0)	1662	2.70E-10	(1.1 5.0)	1664	2.73E-10	(1.1 5.0)	1666	2.84E-10	(1.1 5.0)

 $R = 0.87.$







LAMBDA, F (WT, SIG)				F = AVE FLUX FROM LAM-DEL/2 TO LAM+DEL/2			
1975, 0.00E-11(0.0 0.0)	1980U, 1.90E-11(0.3 0.0)	1985, 3.09E-11(0.4 0.0)	1990, 2.67E-11(0.4 0.0)	1995U, 2.11E-11(0.4 0.0)			
2000U, 2.15E-11(0.4 0.0)	2005, 2.32E-11(0.4 0.0)	2010U, 2.16E-11(0.5 0.0)	2015, 2.22E-11(0.5 0.0)	2020, 2.23E-11(0.5 0.0)			
2025U, 2.07E-11(0.5 0.0)	2030, 2.00E-11(0.5 0.0)	2035, 2.17E-11(0.6 0.0)	2040, 2.50E-11(0.7 0.0)	2045, 2.84E-11(0.9 0.0)			
2050, 2.88E-11(0.9 0.0)	2055, 2.37E-11(0.8 0.0)	2060, 2.31E-11(0.8 0.0)	2065, 2.52E-11(0.9 0.0)	2070, 2.32E-11(0.9 0.0)			
2075, 2.25E-11(0.9 0.0)	2080, 2.67E-11(0.9 0.0)	2085, 2.99E-11(0.9 0.0)	2090, 3.09E-11(0.9 0.0)	2095, 3.18E-11(0.9 0.0)			
2100, 3.53E-11(0.9 0.0)	2105, 3.73E-11(0.9 0.0)	2110, 3.68E-11(0.9 0.0)	2115, 3.71E-11(0.9 0.0)	2120, 3.75E-11(0.9 0.0)			
2125, 3.80E-11(0.9 0.0)	2130, 3.92E-11(0.9 0.0)	2135, 3.93E-11(0.9 0.0)	2140, 3.78E-11(0.9 0.0)	2145, 3.49E-11(0.9 0.0)			
2150, 3.30E-11(0.9 0.0)	2155, 3.44E-11(0.9 0.0)	2160, 3.58E-11(0.9 0.0)	2165, 3.59E-11(0.9 0.0)	2170, 3.66E-11(0.9 0.0)			
2175, 3.83E-11(0.9 0.0)	2180, 3.84E-11(0.9 0.0)	2185, 3.63E-11(0.9 0.0)	2190, 3.40E-11(0.9 0.0)	2195, 3.38E-11(0.9 0.0)			
2200, 3.58E-11(0.9 0.0)	2205, 3.77E-11(0.9 0.0)	2210, 3.78E-11(0.9 0.0)	2215, 3.68E-11(0.9 0.0)	2220, 3.63E-11(0.9 0.0)			
2225, 3.68E-11(0.9 0.0)	2230, 3.76E-11(0.9 0.0)	2235, 3.81E-11(0.9 0.0)	2240, 3.78E-11(0.9 0.0)	2245, 3.67E-11(0.9 0.0)			
2250, 3.55E-11(0.9 0.0)	2255, 3.61E-11(0.9 0.0)	2260, 3.75E-11(0.9 0.0)	2265, 3.85E-11(0.9 0.0)	2270, 3.80E-11(0.9 0.0)			
2275, 3.71E-11(0.9 0.0)	2280, 3.68E-11(0.9 0.0)	2285, 3.73E-11(0.9 0.0)	2290, 3.70E-11(0.9 0.0)	2295, 3.62E-11(0.9 0.0)			
2300, 3.46E-11(0.9 0.0)	2305, 3.32E-11(0.9 0.0)	2310, 3.28E-11(0.9 0.0)	2315, 3.35E-11(0.9 0.0)	2320, 3.18E-11(0.9 0.0)			
2330, 3.47E-11(0.9 0.0)	2330, 3.30E-11(0.9 0.0)	2320, 3.40E-11(0.9 0.0)	2330, 3.25E-11(0.9 0.0)	2340, 3.18E-11(0.9 0.0)			
2350, 3.10E-11(0.9 0.0)	2360, 2.78E-11(0.9 6.1)	2370, 2.70E-11(0.9 5.6)	2380, 2.66E-11(0.9 7.0)	2390, 2.59E-11(0.9 8.2)			
2400, 2.58E-11(1.0 10.2)	2410, 2.68E-11(1.0 12.8)	2420, 2.84E-11(1.1 6.1)	2430, 2.99E-11(1.1 2.2)	2440, 3.06E-11(1.2 0.0)			
2450, 3.14E-11(1.2 1.7)	2460, 3.22E-11(1.2 2.7)	2470, 3.27E-11(1.3 3.8)	2480, 3.22E-11(1.3 4)	2490, 3.24E-11(1.3 1.9)			
2500, 3.30E-11(1.4 9.4)	2510, 3.27E-11(1.4 2.0)	2520, 3.21E-11(1.4 6.7)	2530, 3.22E-11(1.4 10.2)	2540, 3.18E-11(1.5 10.5)			
2550, 3.15E-11(1.5 10.0)	2560, 3.23E-11(1.5 9.5)	2570, 3.40E-11(1.5 7.0)	2580, 3.57E-11(1.6 4.7)	2590, 3.65E-11(1.6 5.8)			
2600, 3.62E-11(1.6 7.3)	2610, 3.73E-11(1.6 3.6)	2620, 4.00E-11(1.6 5)	2630, 4.31E-11(1.5 1.5)	2640, 4.67E-11(1.5 3.8)			
2650, 5.04E-11(1.5 1.7)	2660, 5.24E-11(1.5 1.4)	2670, 5.34E-11(1.5 3.5)	2680, 5.47E-11(1.5 4.7)	2690, 5.75E-11(1.4 5.6)			
2700, 5.96E-11(1.4 5.3)	2710, 6.00E-11(1.4 3.5)	2720, 5.93E-11(1.4 4)	2730, 5.84E-11(1.4 3.9)	2740, 5.74E-11(1.4 4.1)			
2750, 5.74E-11(1.4 2.6)	2760, 5.88E-11(1.4 2.8)	2770, 5.97E-11(1.4 4.5)	2780, 5.91E-11(1.4 5.0)	2790, 5.78E-11(1.4 4.2)			
2800, 5.68E-11(1.4 3.3)	2810, 5.67E-11(1.4 3.1)	2820, 5.77E-11(1.3 2.8)	2830, 6.06E-11(1.3 1.9)	2840, 6.44E-11(1.3 4)			
2850, 6.77E-11(1.2 3)	2860, 6.96E-11(1.2 1)	2870, 7.11E-11(1.2 1.7)	2880, 7.37E-11(1.1 2.7)	2890, 7.68E-11(1.1 1.9)			
2900, 8.00E-11(1.1 1.2)	2910, 8.23E-11(1.1 4.3)	2920, 8.49E-11(1.0 5.9)	2930, 8.83E-11(1.0 5.7)	2940, 9.34E-11(1.0 5.9)			
2950, 1.00E-10(0.9 9.3)	2960, 1.08E-10(0.9 15.2)	2970, 1.17E-10(0.9 21.2)	2980, 1.22E-10(0.9 24.7)	2990, 1.26E-10(0.9 26.4)			
3000, 1.32E-10(0.9 27.2)	3010, 1.31E-10(0.8 25.0)	3020E, 1.26E-10(0.8 20.3)	3030E, 1.19E-10(0.8 15.2)	3040E, 1.06E-10(0.8 7.2)			
3050E, 1.06E-10(0.8 5.4)	3060E, 1.06E-10(0.8 7.2)	3070E, 1.12E-10(0.8 8.3)	3080E, 1.14E-10(0.7 6.7)	3090E, 1.21E-10(0.7 6.6)			
3100E, 1.28E-10(0.7 9.0)	3110E, 1.27E-10(0.7 9.7)	3120E, 1.27E-10(0.6 6.8)	3130E, 1.28E-10(0.6 6.2)	3140E, 1.30E-10(0.6 9.0)			
3150E, 1.30E-10(0.6 11.5)	3160E, 1.32E-10(0.6 8.3)	3170E, 1.32E-10(0.6 8.3)	3180E, 1.32E-10(0.6 8.3)	3190E, 1.38E-10(0.6 8.8)			
3200E, 1.40E-10(0.6 9.2)	3210E, 1.39E-10(0.6 9.5)	3220E, 1.39E-10(0.6 9.6)	3230E, 1.39E-10(0.6 7.9)	3240E, 1.37E-10(0.6 3.9)			
3250E, 1.32E-10(0.6 8)	3260E, 1.27E-10(0.6 3.0)	3270E, 1.27E-10(0.6 1.1)	3280E, 1.19E-10(0.6 3.4)	3290E, 1.18E-10(0.6 6.4)			
3300E, 1.19E-10(0.6 6.8)	3310E, 1.21E-10(0.6 6.1)	3320E, 1.30E-10(0.5 2.4)	3330E, 1.23E-10(0.6 3.6)	3340E, 1.24E-10(0.5 2.6)			
3350E, 1.25E-10(0.5 2.0)	3360E, 1.30E-10(0.5 2.4)	3370E, 1.34E-10(0.5 3.4)	3380E, 1.39E-10(0.5 5.6)	3390E, 1.41E-10(0.5 9.3)			
3400E, 1.42E-10(0.5 13.6)	3410E, 1.45E-10(0.5 17.2)	3420E, 1.50E-10(0.5 19.3)	3430E, 1.57E-10(0.5 18.4)	3440E, 1.64E-10(0.5 16.4)			
3450E, 1.71E-10(0.5 15.3)	3460E, 1.75E-10(0.5 13.4)	3470E, 1.79E-10(0.5 13.6)	3480E, 1.82E-10(0.5 14.6)	3490E, 1.85E-10(0.5 15.3)			
3500E, 1.87E-10(0.5 15.3)	3510E, 1.90E-10(0.5 14.2)	3520E, 1.95E-10(0.5 12.7)	3530E, 2.04E-10(0.5 8.8)	3540E, 2.17E-10(0.5 5.6)			
3550E, 2.29E-10(0.5 2.5)	3560E, 2.43E-10(0.5 7)	3570E, 2.54E-10(0.5 8)	3580E, 2.60E-10(0.5 7)	3590E, 2.63E-10(0.5 1.9)			
135, 0.00(0.0 0.0)	139, 0.00(0.0 0.0)	148, 0.00(0.0 0.0)	154, 0.00(0.0 0.0)	161, 0.00(0.0 0.0)			
166, 0.00(0.0 0.0)	172, 0.00(0.0 0.0)	181, 0.00(0.0 0.0)	192, 0.00(0.0 0.0)	204, 5.39(0.6 0.0)			
219, 4.99(0.9 0.0)	245, 5.16(1.2 8.0)	280, 4.22(1.2 7.0)	360E, 3.59(0.6 8.9)	0, 0.00(0.0 0.0)			

X,Y(MM) -14.0 -10.7 SL3-192 20 SCANS, T= 225: 44 OPH WT .9, SCALE .89

X,Y(MM) -14.0 -10.7 SL3-193 19 SCANS, T= 77: 44 OPH WT .9, SCALE 1.16

R=2(0.83)



[illegible] $R = 0.58 \cdot$

X, Y (MM)	-6.7	2.9	SL3-192	18	SCANS, T= 225:	HR 6490	WT .9, SCALE .94
X, Y (MM)	-6.7	2.9	SL3-193	18	SCANS, T= 77:	HR 6490	WT .9, SCALE 1.07

$R \approx (0.79):$

HD 157978

HR 6497

HD 157978

LAMBDA, F (WT, SIG) F = AVE FLUX FROM LAM-DEL/2 TO LAM+DEL/2

2150, 0.00(0.0 0.0)	2155, 5.70E-12(.7 0.0)	2160, 4.66E-12(.6 0.0)	2165U, 4.30E-12(.6 0.0)	2170, 4.91E-12(.6 0.0)
2175, 5.13E-12(.9 0.0)	2180, 4.98E-12(.7 0.0)	2185, 5.06E-12(.6 0.0)	2190, 4.89E-12(.6 0.0)	2195, 4.00E-12(.5 0.0)
2200U, 3.93E-12(.5 0.0)	2205, 4.71E-12(.7 0.0)	2210, 5.81E-12(.9 0.0)	2215, 6.31E-12(.9 0.0)	2220, 6.26E-12(.9 0.0)
2225, 6.12E-12(.9 0.0)	2230, 6.30E-12(.9 0.0)	2235, 6.19E-12(.9 0.0)	2240, 5.38E-12(.9 0.0)	2245, 4.56E-12(.8 0.0)
2250, 4.13E-12(.7 0.0)	2255, 4.12E-12(.7 0.0)	2260, 4.24E-12(.8 0.0)	2265, 4.68E-12(.9 0.0)	2270, 5.07E-12(.9 0.0)
2275, 5.50E-12(.9 0.0)	2280, 5.72E-12(.9 0.0)	2285, 5.79E-12(.9 0.0)	2290, 5.61E-12(.9 0.0)	2295, 5.54E-12(.9 0.0)
2300, 5.66E-12(.9 0.0)	2305, 5.92E-12(.9 0.0)	2310, 6.09E-12(.9 0.0)	2315, 6.13E-12(.9 0.0)	0.0 (0.0 0.0)
2330, 5.68E-12(.9 0.0)	2330, 6.07E-12(.9 0.0)	2320, 5.98E-12(.9 0.0)	2330, 5.39E-12(.9 0.0)	2340, 5.22E-12(.9 0.0)
2350, 5.24E-12(.9 0.0)	2360, 5.27E-12(.9 0.0)	2370, 5.33E-12(.9 0.0)	2380, 5.45E-12(.9 0.0)	2390, 5.06E-12(.9 0.0)
2400, 4.72E-12(.9 0.0)	2410, 5.19E-12(.9 0.0)	2420, 5.95E-12(.9 0.0)	2430, 6.79E-12(.9 0.0)	2440, 7.49E-12(.9 0.0)
2450, 7.37E-12(.9 0.0)	2460, 6.47E-12(.9 0.0)	2470, 5.92E-12(.9 0.0)	2480, 6.09E-12(.9 0.0)	2490, 6.59E-12(.9 0.0)
2500, 7.10E-12(.9 0.0)	2510, 7.41E-12(.9 0.0)	2520, 7.13E-12(.9 0.0)	2530, 6.51E-12(.9 0.0)	2540, 6.18E-12(.9 0.0)
2550, 6.16E-12(.9 0.0)	2560, 6.66E-12(.9 0.0)	2570, 7.35E-12(.9 0.0)	2580, 7.39E-12(.9 0.0)	2590, 7.08E-12(.9 0.0)
2600, 7.04E-12(.9 0.0)	2610, 7.33E-12(.9 0.0)	2620, 7.73E-12(.9 0.0)	2630, 8.11E-12(.9 0.0)	2640, 8.17E-12(.9 0.0)
2650, 7.88E-12(.9 0.0)	2660, 7.39E-12(.9 0.0)	2670, 7.29E-12(.9 0.0)	2680, 7.61E-12(.9 0.0)	2690, 7.96E-12(.9 0.0)
2700, 8.00E-12(.9 0.0)	2710, 7.88E-12(.9 0.0)	2720, 7.63E-12(.9 0.0)	2730, 7.37E-12(.9 0.0)	2740, 7.42E-12(.9 0.0)
2750, 7.68E-12(.9 0.0)	2760, 8.01E-12(.9 0.0)	2770, 8.06E-12(.9 0.0)	2780, 8.05E-12(.9 0.0)	2790, 7.99E-12(.9 0.0)
2800, 7.83E-12(.9 0.0)	2810, 7.70E-12(.9 0.0)	2820, 7.62E-12(.9 0.0)	2830, 7.87E-12(.8 0.0)	2840, 8.28E-12(.8 0.0)
2850, 8.59E-12(.8 0.0)	2860, 8.60E-12(.8 0.0)	2870, 8.66E-12(.8 0.0)	2880, 8.98E-12(.8 0.0)	2890, 9.37E-12(.8 0.0)
2900, 9.54E-12(.8 0.0)	2910, 9.45E-12(.8 0.0)	2920, 9.34E-12(.7 0.0)	2930, 9.28E-12(.7 0.0)	2940, 9.28E-12(.7 0.0)
2950, 9.22E-12(.7 0.0)	2960, 9.19E-12(.7 0.0)	2970, 9.29E-12(.7 0.0)	2980, 9.54E-12(.7 0.0)	2990, 9.80E-12(.7 0.0)
3000, 9.93E-12(.7 0.0)	3010, 9.89E-12(.7 0.0)	3020, 9.76E-12(.7 0.0)	3030, 9.74E-12(.7 0.0)	0.0 (0.0 0.0)
3000, 9.91E-12(.7 0.0)	3020, 9.78E-12(.7 0.0)	3040, 9.88E-12(.7 0.0)	3060, 1.07E-11(.7 0.0)	3080D, 1.11E-11(.4 0.0)
3100D, 1.16E-11(.4 0.0)	3120D, 1.16E-11(.4 0.0)	3140D, 1.12E-11(.4 0.0)	3160, 1.11E-11(.6 0.0)	3180, 1.09E-11(.6 0.0)
3200, 1.18E-11(.6 0.0)	3220, 1.21E-11(.6 0.0)	3240, 1.21E-11(.6 0.0)	3260, 1.21E-11(.6 0.0)	3280, 1.22E-11(.6 0.0)
3300, 1.22E-11(.6 0.0)	3320, 1.23E-11(.5 0.0)	3340, 1.25E-11(.5 0.0)	3360, 1.27E-11(.5 0.0)	3380, 1.30E-11(.5 0.0)
3400, 1.30E-11(.5 0.0)	3420, 1.23E-11(.5 0.0)	3440, 1.15E-11(.5 0.0)	3460, 1.10E-11(.5 0.0)	3480, 1.08E-11(.5 0.0)
3500, 1.09E-11(.5 0.0)	3520, 1.09E-11(.6 0.0)	3540, 1.07E-11(.6 0.0)	3560, 1.03E-11(.6 0.0)	3580, 1.01E-11(.6 0.0)
3600, 1.01E-11(.6 0.0)	3620, 1.01E-11(.6 0.0)	3640, 1.03E-11(.5 0.0)	3660, 1.05E-11(.5 0.0)	3680, 1.08E-11(.5 0.0)
3700, 1.15E-11(.5 0.0)	3720, 1.23E-11(.5 0.0)	3740, 1.34E-11(.5 0.0)	3760, 1.42E-11(.5 0.0)	3780, 1.46E-11(.5 0.0)
3800, 1.47E-11(.5 0.0)	3820, 1.47E-11(.5 0.0)	3840, 1.46E-11(.5 0.0)	3860, 1.44E-11(.5 0.0)	3880, 1.45E-11(.5 0.0)
3900, 1.46E-11(.5 0.0)	3920, 1.50E-11(.5 0.0)	3940, 1.56E-11(.5 0.0)	3960, 1.65E-11(.4 0.0)	3980, 1.76E-11(.4 0.0)
4000, 1.87E-11(.4 0.0)	4020, 1.96E-11(.4 0.0)	4040, 2.03E-11(.4 0.0)	4060, 2.11E-11(.4 0.0)	4080, 2.18E-11(.4 0.0)
4100, 2.24E-11(.4 0.0)	4120, 2.29E-11(.4 0.0)	4140, 2.36E-11(.4 0.0)	4160, 2.41E-11(.4 0.0)	4180, 2.44E-11(.4 0.0)
135, 0.00(0.0 0.0)	139, 0.00(0.0 0.0)	148, 0.00(0.0 0.0)	154, 0.00(0.0 0.0)	161, 0.00(0.0 0.0)
166, 0.00(0.0 0.0)	172, 0.00(0.0 0.0)	181, 0.00(0.0 0.0)	192, 0.00(0.0 0.0)	204, 0.00(0.0 0.0)
219, 0.00(0.0 0.0)	245, 6.92(.9 0.0)	280, 6.58(.8 0.0)	360, 0.00(0.0 0.0)	0, 0.00(0.0 0.0)

X, Y(MM) 12.9 -4.2 SL3-110 18 SCANS, T= 243 HR 6497 WT .9, SCALE 1.00

R = &lt;0.76&gt;

LAMBDA, F ( WT, SIG)				F = AVE FLUX				FROM LAM-DEL/2 TO LAM-DEL/2						
1310U	5.97E-09	( 7, 3.1)	1312U	6.06E-09	( 7, 2.3)	1314U	5.98E-09	( 7, 19.1)	1316U	5.25E-09	( 7, 4.2)	1318U	5.63E-09	( 7, 9.8)
1320U	5.73E-09	( 8, 16.7)	1322U	5.23E-09	( 8, 5.4)	1324U	5.21E-09	( 8, 3.6)	1326U	4.96E-09	( 8, 22.2)	1328U	4.88E-09	( 8, 30.3)
1330U	5.35E-09	( 9, 23.1)	1332U	5.82E-09	( 1.1, 12.4)	1334U	5.49E-09	( 9, 6.0)	1336U	4.72E-09	( 9, 1.0)	1338U	4.44E-09	( 1.0, 25.1)
1340U	6.53E-09	( 1.2, 2.9)	1342U	6.95E-09	( 1.4, 3.1)	1344U	6.39E-09	( 1.5, 4.5)	1346U	7.42E-09	( 1.6, 2.2)	1348U	6.89E-09	( 1.6, 5.5)
1350U	6.59E-09	( 1.6, 7.8)	1352U	6.35E-09	( 1.6, 4.4)	1354U	7.15E-09	( 1.7, 6.6)	1356U	7.17E-09	( 1.7, 10.6)	1358U	7.88E-09	( 1.7, 6.6)
1360U	7.47E-09	( 1.7, 13.9)	1362U	7.45E-09	( 1.5, 13.2)	1364U	7.47E-09	( 1.5, 11.0)	1366U	7.75E-09	( 1.6, 9.3)	1368U	7.93E-09	( 1.7, 7.6)
1380U	8.27E-09	( 1.2, 2.8)	1382U	7.58E-09	( 1.8, 5.2)	1384U	8.04E-09	( 1.7, 10.8)	1386U	7.88E-09	( 1.7, 10.0)	1388U	8.21E-09	( 1.7, 17.8)
1390U	8.25E-09	( 1.8, 1.1)	1392U	7.38E-09	( 1.6, 5.2)	1394U	7.37E-09	( 1.6, 5.2)	1396U	7.36E-09	( 1.6, 5.2)	1398U	7.45E-09	( 1.7, 17.8)
1400U	9.06E-09	( 2.1, 3.8)	1402U	8.62E-09	( 2.1, 7.9)	1404U	7.04E-09	( 1.7, 18.6)	1396U	7.51E-09	( 1.8, 15.9)	1398U	8.85E-09	( 2.1, 8.8)
1410U	1.07E-08	( 2.2, 9.0)	1412U	1.11E-08	( 2.2, 6.9)	1414U	1.13E-08	( 2.2, 6.6)	1416U	1.12E-08	( 2.2, 6.3)	1418U	1.12E-08	( 2.2, 6.8)
1420U	1.22E-08	( 2.3, 7.0)	1422U	1.21E-08	( 2.3, 8.4)	1424U	1.25E-08	( 2.3, 4.5)	1426U	1.26E-08	( 2.3, 8.6)	1428U	1.15E-08	( 2.2, 8.8)
1430U	1.17E-08	( 2.2, 14.4)	1432U	1.26E-08	( 2.2, 6.0)	1434U	1.27E-08	( 2.2, 10.1)	1436U	1.29E-08	( 2.2, 5.0)	1438U	1.26E-08	( 2.3, 12.9)
1440U	1.34E-08	( 2.2, 7.6)	1442U	1.36E-08	( 2.3, 9.2)	1444U	1.34E-08	( 2.3, 15.7)	1446U	1.31E-08	( 2.3, 14.2)	1448U	1.37E-08	( 2.3, 8.2)
1450U	1.31E-08	( 2.2, 8.1)	1452U	1.37E-08	( 2.3, 14.1)	1454U	1.37E-08	( 2.3, 11.6)	1456U	1.34E-08	( 2.3, 11.6)	1458U	1.34E-08	( 2.3, 11.6)
1460U	1.31E-08	( 2.7, 7.4)	1462U	1.28E-08	( 2.7, 1.2)	1464U	1.20E-08	( 2.5, 7.9)	1466U	1.14E-08	( 2.5, 9.6)	1468U	1.10E-08	( 2.6, 6.2)
1470U	1.17E-08	( 2.7, 4.7)	1472U	1.20E-08	( 2.6, 8.9)	1474U	1.19E-08	( 2.6, 8.8)	1476U	1.14E-08	( 2.6, 1.8)	1478U	1.10E-08	( 2.6, 2.6)
1480U	1.13E-08	( 2.6, 2.9)	1482U	1.12E-08	( 2.6, 4.0)	1484U	1.07E-08	( 2.6, 5.7)	1486U	1.12E-08	( 2.5, 5.2)	1488U	1.16E-08	( 2.5, 1.1)
1490U	1.09E-08	( 2.5, 5.6)	1492U	1.04E-08	( 2.5, 5.0)	1494U	1.03E-08	( 2.5, 4.9)	1496U	1.04E-08	( 2.5, 6.4)	1498U	1.00E-08	( 2.5, 5.8)
1500U	9.93E-09	( 2.5, 5.2)	1502U	1.03E-08	( 2.4, 5.5)	1504U	1.05E-08	( 2.4, 5.5)	1506U	1.05E-08	( 2.4, 7.2)	1508U	9.91E-09	( 2.4, 5.7)
1510U	9.42E-09	( 2.4, 4.7)	1512U	9.18E-09	( 2.4, 6.7)	1514U	9.24E-09	( 2.4, 7.4)	1516U	9.35E-09	( 2.4, 5.9)	1518U	9.32E-09	( 2.4, 7.1)
1520U	9.33E-09	( 2.4, 5.9)	1522U	9.16E-09	( 2.3, 6.8)	1524U	9.24E-09	( 2.3, 11.6)	1526U	9.35E-09	( 2.3, 10.9)	1528U	9.32E-09	( 2.3, 10.9)
1530U	9.33E-09	( 2.3, 6.0)	1532U	9.36E-09	(									

R = 1.00

51 OPH

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X,Y(MM)  -5.6 -16.7  SL3-192  20 SCANS, T= 225: 51 OPH  WT  .9,SCALE  .83
X,Y(MM)  -5.6 -16.7  SL3-193  18 SCANS, T=  77: 51 OPH  WT  .9,SCALE  1.18

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R = (0.94)



LAMBDA			F			F = AVE FLUX FROM LAM-DEL/2 TO LAM-DEL/2			LAMBDA			F			F = AVE FLUX FROM LAM-DEL/2 TO LAM-DEL/2			LAMBDA			F			F = AVE FLUX FROM LAM-DEL/2 TO LAM-DEL/2					
1310	1	8.9E-08(1.6	1312	1	8.2E-08(1.6	1314	1	8.9E-08(1.6	1316	1	9.9E-08(1.6	1318	2	0.4E-08(1.6	1320	1	8.9E-08(1.6	1322	2	1.0E-08(1.6	1324	2	0.2E-08(1.6	1326	1	8.7E-08(1.6	1328	1	8.6E-08(1.6
1320	2	1.4E-08(1.6	1322	2	1.0E-08(1.6	1324	2	0.2E-08(1.6	1326	2	1.8E-08(1.6	1328	2	1.8E-08(1.6	1330	2	1.4E-08(1.6	1332	2	1.0E-08(1.6	1334	2	0.2E-08(1.6	1336	2	1.8E-08(1.6	1338	2	1.8E-08(1.6
1330	3	1.95E-08(1.6	1332	3	1.9E-08(1.6	1334	3	1.77E-08(1.6	1336	3	1.57E-08(1.6	1338	3	2.17E-08(1.6	1340	3	2.30E-08(1.6	1342	3	2.4E-08(1.6	1344	3	2.1E-08(1.6	1346	3	2.30E-08(1.6	1348	3	2.37E-08(1.6
1340	4	2.30E-08(1.6	1342	4	2.4E-08(1.6	1344	4	2.1E-08(1.6	1346	4	2.30E-08(1.6	1348	4	2.37E-08(1.6	1350	4	2.30E-08(1.6	1352	4	2.4E-08(1.6	1354	4	2.1E-08(1.6	1356	4	2.30E-08(1.6	1358	4	2.37E-08(1.6
1350	5	2.66E-08(1.7	1352	5	2.30E-08(1.7	1354	5	2.46E-08(1.7	1356	5	2.38E-08(1.7	1358	5	2.57E-08(1.7	1360	5	2.51E-08(1.7	1362	5	2.53E-08(1.7	1364	5	2.60E-08(1.7	1366	5	2.65E-08(1.7	1368	5	2.74E-08(1.7
1360	6	2.51E-08(1.7	1362	6	2.53E-08(1.7	1364	6	2.60E-08(1.7	1366	6	2.65E-08(1.7	1368	6	2.74E-08(1.7	1370	6	2.56E-08(1.7	1372	6	2.85E-08(1.7	1374	6	2.85E-08(1.7	1376	6	2.85E-08(1.7	1378	6	2.91E-08(1.7
1370	7	3.00E-08(1.8	1372	7	2.85E-08(1.7	1374	7	2.85E-08(1.7	1376	7	2.85E-08(1.7	1378	7	2.91E-08(1.7	1380	7	3.00E-08(1.8	1382	7	3.00E-08(1.8	1384	7	3.00E-08(1.8	1386	7	3.00E-08(1.8	1388	7	3.00E-08(1.8
1380	8	3.00E-08(1.8	1382	8	3.00E-08(1.8	1384	8	3.00E-08(1.8	1386	8	3.00E-08(1.8	1388	8	3.00E-08(1.8	1390	8	3.00E-08(1.8	1392	8	3.00E-08(1.8	1394	8	3.00E-08(1.8	1396	8	3.00E-08(1.8	1398	8	3.00E-08(1.8
1390	9	3.00E-08(1.8	1392	9	3.00E-08(1.8	1394	9	3.00E-08(1.8	1396	9	3.00E-08(1.8	1398	9	3.00E-08(1.8	1400	9	3.00E-08(1.8	1402	9	3.00E-08(1.8	1404	9	3.00E-08(1.8	1406	9	3.00E-08(1.8	1408	9	3.00E-08(1.8
1400	10	2.98E-08(1.9	1402	10	2.34E-08(1.9	1404	10	2.84E-08(1.9	1406	10	3.64E-08(1.9	1408	10	3.93E-08(1.9	1410	10	4.21E-08(1.9	1412	10	4.67E-08(1.9	1414	10	4.84E-08(1.9	1416	10	4.14E-08(1.9	1418	10	3.83E-08(1.9
1410	11	4.21E-08(1.9	1412	11	4.67E-08(1.9	1414	11	4.84E-08(1.9	1416	11	4.14E-08(1.9	1418	11	3.83E-08(1.9	1420	11	4.21E-08(1.9	1422	11	4.67E-08(1.9	1424	11	4.84E-08(1.9	1426	11	4.14E-08(1.9	1428	11	4.22E-08(1.9
1420	12	4.29E-08(1.9	1422	12	4.24E-08(1.9	1424	12	4.64E-08(1.9	1426	12	4.40E-08(1.9	1428	12	4.22E-08(1.9	1430	12	4.29E-08(1.9	1432	12	4.									

R = 0.71+-

LAMBDA, F	( WT, SIG)	F = AVE FLUX FROM LAM-DEL/2 TO LAM+DEL/2
1850, 0.00E-11(0.0 0.0)	1855, 0.00E-11(0.0 0.0)	1860, 0.00E-11(0.0 0.0)
1875, 7.89E-11(0.5 0.0)	1880, 8.22E-11(0.5 0.0)	1885, 7.39E-11(0.6 0.0)
1900, 9.25E-11(0.8 0.0)	1905, 9.84E-11(0.9 0.0)	1910, 8.22E-11(0.7 0.0)
1925, 9.15E-11(0.9 0.0)	1930, 8.71E-11(0.8 0.0)	1935, 9.05E-11(0.9 0.0)
1950, 9.87E-11(0.9 0.0)	1955, 1.01E-10(0.9 0.0)	1960, 1.07E-10(0.9 0.0)
1975, 9.18E-11(0.9 0.0)	1980, 8.32E-11(0.9 0.0)	1985, 7.83E-11(0.9 0.0)
2000, 8.02E-11(0.9 0.0)	2005, 8.18E-11(0.9 0.0)	2010, 8.60E-11(0.9 5.2)
2025, 8.25E-11(0.9 9.1)	2030, 7.89E-11(0.9 14.9)	2035, 7.77E-11(0.9 11.8)
2050, 8.22E-11(1.2 6.6)	2055, 8.21E-11(1.2 5.5)	2060, 8.73E-11(1.2 6.9)
2075, 8.83E-11(1.3 14.2)	2080, 9.50E-11(1.4 10.9)	2085, 1.02E-10(1.4 4.9)
2100, 9.62E-11(1.5 8.6)	2105, 9.68E-11(1.6 8.8)	2110, 9.43E-11(1.7 8.8)
2125, 8.49E-11(1.8 7.0)	2130, 8.46E-11(1.8 12.3)	2135, 8.47E-11(1.9 11.2)
2150, 9.23E-11(1.9 6.1)	2155, 8.95E-11(1.9 7.9)	2160, 8.57E-11(1.9 10.1)
2175, 9.23E-11(1.9 13.0)	2180, 9.20E-11(2.0 14.7)	2185, 8.91E-11(2.1 9.6)
2200, 9.68E-11(2.3 6.2)	2205, 1.02E-10(2.5 2.6)	2210, 1.01E-10(2.5 2.9)
2225, 1.01E-10(2.6 6.9)	2230, 1.02E-10(2.6 9.4)	2235, 1.04E-10(2.6 12.2)
2250, 9.61E-11(2.6 1.7)	2255, 8.93E-11(2.6 8.3)	2260, 8.60E-11(2.6 9.2)
2275, 9.80E-11(2.6 7.9)	2280, 9.99E-11(2.6 8.0)	2285, 9.88E-11(2.6 4.1)
2300, 9.42E-11(2.5 2.5)	2305, 9.63E-11(2.5 5.9)	2310, 9.89E-11(2.5 8.5)
2330, 9.45E-11(2.5 2.1)	2335, 9.83E-11(2.5 8.3)	2340, 9.32E-11(2.6 5.8)
2350, 7.27E-11(2.6 8.3)	2355, 6.85E-11(2.6 8.7)	2360, 6.86E-11(2.6 3.4)
2400, 5.70E-11(2.3 17.4)	2410, 6.26E-11(2.4 12.0)	2420, 7.20E-11(2.5 9.9)
2450, 8.71E-11(2.5 9.6)	2460, 8.89E-11(2.5 7.1)	2470, 9.19E-11(2.4 7.9)
2500, 1.06E-10(2.4 16.8)	2510, 1.01E-10(2.4 11.9)	2520, 9.56E-11(2.4 9.1)
2550, 9.86E-11(2.3 11.0)	2560, 1.05E-10(2.3 12.5)	2570, 1.09E-10(2.2 11.8)
2600, 1.03E-10(2.1 8.3)	2610, 1.05E-10(2.1 8.4)	2620, 1.15E-10(2.0 8.6)
2650, 1.69E-10(1.7 20.5)	2660, 1.78E-10(1.8 22.6)	2670, 1.84E-10(1.5 22.2)
2700, 1.85E-10(1.3 19.6)	2710, 1.80E-10(1.3 19.6)	2720, 1.80E-10(1.3 19.3)
2750, 1.68E-10(1.1 15.5)	2760, 1.61E-10(1.1 12.3)	2770, 1.48E-10(1.1 9.4)
2800, 1.44E-10(1.0 15.2)	2810, 1.67E-10(0.9 15.6)	2820, 1.89E-10(0.8 15.9)
2850, 2.09E-10(0.7 13.7)	2860, 2.13E-10(0.7 11.7)	2870, 2.24E-10(0.7 7.7)
2900, 2.49E-10(0.6 0.0)	2910, 2.51E-10(0.6 0.0)	2920, 2.51E-10(0.6 0.0)
2950, 2.62E-10(0.6 0.0)	2960, 2.69E-10(0.6 0.0)	2970, 2.76E-10(0.5 0.0)
3000, 3.04E-10(0.5 0.0)	3010, 3.05E-10(0.5 0.0)	3020, 3.00E-10(0.5 0.0)
3060, 3.04E-10(0.5 0.0)	3070, 3.00E-10(0.5 0.0)	3080, 2.97E-10(0.5 0.0)
3100, 2.91E-10(0.5 0.0)	3120, 3.03E-10(0.5 0.0)	3140, 3.08E-10(0.5 0.0)
3200, 3.09E-10(0.4 0.0)	3220, 3.18E-10(0.4 0.0)	3240, 3.28E-10(0.4 0.0)
3300, 3.11E-10(0.4 0.0)	3320, 3.30E-10(0.4 0.0)	3340E 3.33E-10(0.4 0.0)
135, 0.00(0.0 0.0)	139, 0.00(0.0 0.0)	148, 0.00(0.0 0.0)
166, 0.00(0.0 0.0)	172, 0.00(0.0 0.0)	181, 0.00(0.0 0.0)
219, 3.98(2.2 1.5)	245, 4.05(2.4 4.7)	280, 3.10(1.0 0.0)
154, 0.00(0.0 0.0)	161, 0.00(0.0 0.0)	192, 4.02(0.8 0.0)
204, 4.05(1.1 0.0)	280, 0.00(0.0 0.0)	0.00(0.0 0.0)

X,Y(MM) -17.6 12.9 SL3-182 18 SCANS, T= 225: THT SCO WT .9, SCALE 1.16  
 X,Y(MM) -17.6 12.9 SL3-183 16 SCANS, T= 78 THT SCO WT .9, SCALE .89  
 X,Y(MM) -17.6 12.9 SL3-184 17 SCANS, T= 28 THT SCO WT .9, SCALE .91

R = &lt;0.68&gt;



R = 0.62+-

LAMBDA	F	( WT.	SIG.)	F = AVE FLUX FROM LAM-DEL/2 TO LAM+DEL/2	LAMBDA	F	( WT.	SIG.)	LAMBDA	F	( WT.	SIG.)	LAMBDA	F	( WT.	SIG.)																																																																																																																																																																																																																																																																																																																																																																																																																	
1510U	3.34E-10	(.6	0.0)	1511U	3.34E-10	(.6	0.0)	1512U	3.42E-10	(.4	0.0)	1513U	3.42E-10	(.4	0.0)	1514U	3.42E-10	(.4	0.0)	1515U	3.42E-10	(.4	0.0)	1516U	3.42E-10	(.4	0.0)	1517U	3.42E-10	(.4	0.0)	1518U	3.42E-10	(.4	0.0)	1519U	3.42E-10	(.4	0.0)	1520U	3.42E-10	(.4	0.0)	1521U	3.42E-10	(.4	0.0)	1522U	3.42E-10	(.4	0.0)	1523U	3.42E-10	(.4	0.0)	1524U	3.42E-10	(.4	0.0)	1525U	3.42E-10	(.4	0.0)	1526U	3.42E-10	(.4	0.0)	1527U	3.42E-10	(.4	0.0)	1528U	3.42E-10	(.4	0.0)	1529U	3.42E-10	(.4	0.0)	1530U	3.42E-10	(.4	0.0)	1531U	3.42E-10	(.4	0.0)	1532U	3.42E-10	(.4	0.0)	1533U	3.42E-10	(.4	0.0)	1534U	3.42E-10	(.4	0.0)	1535U	3.42E-10	(.4	0.0)	1536U	3.42E-10	(.4	0.0)	1537U	3.42E-10	(.4	0.0)	1538U	3.42E-10	(.4	0.0)	1539U	3.42E-10	(.4	0.0)	1540U	3.42E-10	(.4	0.0)	1541U	3.42E-10	(.4	0.0)	1542U	3.42E-10	(.4	0.0)	1543U	3.42E-10	(.4	0.0)	1544U	3.42E-10	(.4	0.0)	1545U	3.42E-10	(.4	0.0)	1546U	3.42E-10	(.4	0.0)	1547U	3.42E-10	(.4	0.0)	1548U	3.42E-10	(.4	0.0)	1549U	3.42E-10	(.4	0.0)	1550U	3.42E-10	(.4	0.0)	1551U	3.42E-10	(.4	0.0)	1552U	3.42E-10	(.4	0.0)	1553U	3.42E-10	(.4	0.0)	1554U	3.42E-10	(.4	0.0)	1555U	3.42E-10	(.4	0.0)	1556U	3.42E-10	(.4	0.0)	1557U	3.42E-10	(.4	0.0)	1558U	3.42E-10	(.4	0.0)	1559U	3.42E-10	(.4	0.0)	1560U	3.42E-10	(.4	0.0)	1561U	3.42E-10	(.4	0.0)	1562U	3.42E-10	(.4	0.0)	1563U	3.42E-10	(.4	0.0)	1564U	3.42E-10	(.4	0.0)	1565U	3.42E-10	(.4	0.0)	1566U	3.42E-10	(.4	0.0)	1567U	3.42E-10	(.4	0.0)	1568U	3.42E-10	(.4	0.0)	1569U	3.42E-10	(.4	0.0)	1570U	3.42E-10	(.4	0.0)	1571U	3.42E-10	(.4	0.0)	1572U	3.42E-10	(.4	0.0)	1573U	3.42E-10	(.4	0.0)	1574U	3.42E-10	(.4	0.0)	1575U	3.42E-10	(.4	0.0)	1576U	3.42E-10	(.4	0.0)	1577U	3.42E-10	(.4	0.0)	1578U	3.42E-10	(.4	0.0)	1579U	3.42E-10	(.4	0.0)	1580U	3.42E-10	(.4	0.0)	1581U	3.42E-10	(.4	0.0)	1582U	3.42E-10	(.4	0.0)	1583U	3.42E-10	(.4	0.0)	1584U	3.42E-10	(.4	0.0)	1585U	3.42E-10	(.4	0.0)	1586U	3.42E-10	(.4	0.0)	1587U	3.42E-10	(.4	0.0)	1588U	3.42E-10	(.4	0.0)	1589U	3.42E-10	(.4	0.0)	1590U	3.42E-10	(.4	0.0)	1591U	3.42E-10	(.4	0.0)	1592U	3.42E-10	(.4	0.0)	1593U	3.42E-10	(.4	0.0)	1594U	3.42E-10	(.4	0.0)	1595U	3.42E-10	(.4	0.0)	1596U	3.42E-10	(.4	0.0)	1597U	3.42E-10	(.4	0.0)	1598U	3.42E-10	(.4	0.0)	1599U	3.42E-10	(.4	0.0)	1600U	3.42E-10	(.4	0.0)	1601U	3.42E-10	(.4	0.0)	1602U	3.42E-10	(.4	0.0)	1603U	3.42E-10	(.4	0.0)	1604U	3.42E-10	(.4	0.0)	1605U	3.42E-10	(.4	0.0)	1606U	3.42E-10	(.4	0.0)	1607U	3.42E-10	(.4	0.0)	1608U	3.42E-10	(.4	0.0)	1609U	3.42E-10	(.4	0.0)	1610U	3.42E-10	(.4	0.0)	1611U	3.42E-10	(.4	0.0)	1612U	3.42E-10	(.4	0.0)	1613U	3.42E-10	(.4	0.0)	1614U	

 $R = 0.74$

X,Y(MM) -7.6 -15.2 SL3-185 19 SCANS, T= 226 HR 6716 WT .9, SCALE 1.00

 $R = 0.69$



HD 164577

68 OPH

HD 164577

LAMBDA, F (WT, SIG) F = AVE FLUX FROM LAM-DEL/2 TO LAM+DEL/2

1650U	2.31E-10(.4 0.0)	1652	2.59E-10(.5 0.0)	1654U	2.39E-10(.5 0.0)	1656	2.36E-10(.5 0.0)	1658U	2.34E-10(.5 0.0)
1660	2.57E-10(.6 0.0)	1662	2.96E-10(.7 0.0)	1664	2.82E-10(.7 0.0)	1666	2.71E-10(.7 0.0)	1668	2.61E-10(.6 0.0)
1670U	2.12E-10(.5 0.0)	1672U	1.93E-10(.4 0.0)	1674	2.05E-10(.4 0.0)	1676U	2.08E-10(.4 0.0)	1678U	2.05E-10(.4 0.0)
1680	2.13E-10(.5 0.0)	1682	2.14E-10(.5 0.0)	1684	2.05E-10(.6 0.0)	1686	2.08E-10(.6 0.0)	1688	2.31E-10(.7 0.0)
1690	2.56E-10(.7 0.0)	1692	2.61E-10(.7 0.0)	1694	2.29E-10(.6 0.0)	1696U	1.74E-10(.5 0.0)	1698U	1.68E-10(.5 0.0)
1700	1.86E-10(.4 0.0)	1702U	1.60E-10(.4 0.0)	1704U	1.47E-10(.4 0.0)	1706U	1.66E-10(.4 0.0)	1708	1.79E-10(.4 0.0)
1710U	1.49E-10(.4 0.0)	1712U	1.10E-10(.3 0.0)	1714U	1.23E-10(.3 0.0)	1716	1.55E-10(.3 0.0)	1718U	1.36E-10(.4 0.0)
1720U	1.30E-10(.4 0.0)	1722	1.68E-10(.5 0.0)	1724	1.83E-10(.6 0.0)	1726	1.80E-10(.7 0.0)	1728	2.11E-10(.9 0.0)
1730	2.54E-10(1.0 0.0)	1732	2.67E-10(1.0 0.0)	1734	2.55E-10(1.0 0.0)	1736	2.26E-10(1.0 0.0)	1738	2.07E-10(.9 0.0)
1740	2.14E-10(1.0 0.0)	1742	2.38E-10(1.0 0.0)	1744	2.55E-10(1.0 0.0)	1746	2.54E-10(1.0 0.0)	1748	2.42E-10(1.0 0.0)
1750	2.40E-10(1.0 0.0)	1752	2.48E-10(1.0 0.0)	1754	2.55E-10(1.0 0.0)	1756	2.33E-10(1.0 0.0)	1758	1.97E-10(1.0 0.0)
1760	1.72E-10(.9 0.0)	1762	1.69E-10(.9 0.0)	1764	1.85E-10(1.0 0.0)	1766	1.95E-10(1.0 0.0)	1768	1.98E-10(1.0 0.0)
1770	2.15E-10(1.0 0.0)	1772	2.24E-10(1.0 0.0)	1774	2.10E-10(1.0 0.0)	1776	1.88E-10(1.0 0.0)	1778	1.76E-10(1.0 0.0)
1780	1.67E-10(1.0 0.0)	1782	1.65E-10(1.0 0.0)	1784	1.70E-10(1.0 0.0)	1786	1.77E-10(1.0 0.0)	1788	1.85E-10(1.0 0.0)
1790	1.91E-10(1.0 0.0)	1792	1.91E-10(1.0 0.0)	1794	1.95E-10(1.0 0.0)	1796	2.03E-10(1.0 0.0)	1798	2.12E-10(1.0 0.0)
1800	2.14E-10(1.0 0.0)	1802	2.11E-10(1.0 0.0)	1804	2.08E-10(1.0 0.0)	1806	2.06E-10(1.0 0.0)	1808	1.99E-10(1.0 0.0)
1810	1.88E-10(1.0 0.0)	1812	1.79E-10(1.0 0.0)	1814	1.78E-10(1.0 0.0)	1816	1.82E-10(1.0 0.0)	1818	1.90E-10(1.0 0.0)
1820	1.96E-10(1.0 0.0)	1822	1.97E-10(1.0 0.0)	1824	1.94E-10(1.0 0.0)	1826	1.92E-10(1.0 0.0)	0	0.0
1800	2.12E-10(1.0 0.0)	1805	2.08E-10(1.0 0.0)	1810	1.89E-10(1.0 0.0)	1815	1.80E-10(1.0 0.0)	1820	1.95E-10(1.0 0.0)
1825	1.93E-10(1.0 0.0)	1830	1.93E-10(.9 0.0)	1835	1.94E-10(.9 0.0)	1840	1.86E-10(.9 0.0)	1845	1.89E-10(.9 0.0)
1850	1.79E-10(.9 0.0)	1855	1.68E-10(.9 0.0)	1860	1.56E-10(.9 0.0)	1865	1.47E-10(.9 0.0)	1870	1.68E-10(.9 0.0)
1875	1.80E-10(.9 0.0)	1880	1.93E-10(.9 0.0)	1885	1.88E-10(.9 0.0)	1890	1.96E-10(.9 0.0)	1895	1.89E-10(.9 0.0)
1900	1.90E-10(.9 0.0)	1905	1.98E-10(.9 0.0)	1910	1.97E-10(.9 0.0)	1915	1.99E-10(.9 0.0)	1920	2.11E-10(.9 0.0)
1925	2.05E-10(.9 0.0)	1930	2.07E-10(.9 0.0)	1935	2.03E-10(.9 0.0)	1940	2.04E-10(.8 0.0)	1945	2.10E-10(.8 0.0)
1950	2.06E-10(.8 0.0)	1955	2.10E-10(.8 0.0)	1960	2.13E-10(.8 0.0)	1965	2.11E-10(.8 0.0)	1970	2.16E-10(.8 0.0)
1975	2.23E-10(.8 0.0)	1980	2.12E-10(.8 0.0)	1985	2.01E-10(.8 0.0)	1990	2.05E-10(.8 0.0)	1995	2.21E-10(.8 0.0)
2000	2.31E-10(.8 0.0)	2005	2.21E-10(.7 0.0)	2010	2.08E-10(.7 0.0)	2015	2.13E-10(.7 0.0)	2020	2.10E-10(.7 0.0)
2025	2.14E-10(.7 0.0)	2030	2.22E-10(.7 0.0)	2035	2.18E-10(.7 0.0)	2040	2.07E-10(.7 0.0)	2045	1.98E-10(.7 0.0)
2050	1.93E-10(.7 0.0)	2055	2.00E-10(.7 0.0)	2060	2.11E-10(.7 0.0)	2065	2.01E-10(.7 0.0)	2070	1.90E-10(.7 0.0)
2075	1.95E-10(.7 0.0)	2080	2.02E-10(.6 0.0)	2085	2.09E-10(.6 0.0)	2090	2.16E-10(.6 0.0)	2095	2.17E-10(.6 0.0)
2100	2.11E-10(.6 0.0)	2105	2.01E-10(.6 0.0)	2110	1.92E-10(.6 0.0)	2115	1.89E-10(.6 0.0)	2120	1.92E-10(.6 0.0)
2125	1.90E-10(.6 0.0)	2130	1.85E-10(.6 0.0)	2135	1.78E-10(.6 0.0)	2140	1.74E-10(.6 0.0)	2145	1.72E-10(.6 0.0)
2150	1.68E-10(.6 0.0)	2155	1.66E-10(.6 0.0)	2160	1.66E-10(.6 0.0)	2165	1.68E-10(.6 0.0)	2170	1.75E-10(.6 0.0)
2175	1.84E-10(.6 0.0)	2180	1.83E-10(.6 0.0)	2185	1.76E-10(.6 0.0)	2190	1.73E-10(.6 0.0)	2195	1.79E-10(.5 0.0)
2200	1.87E-10(.5 0.0)	2205	1.90E-10(.5 0.0)	2210	1.89E-10(.5 0.0)	2215	1.86E-10(.5 0.0)	2220	1.88E-10(.5 0.0)
2225	1.91E-10(.5 0.0)	2230	1.90E-10(.5 0.0)	2235	1.88E-10(.5 0.0)	2240E	1.92E-10(.5 0.0)	2245E	2.05E-10(.5 0.0)
2250E	2.15E-10(.4 0.0)	2255E	2.18E-10(.4 0.0)	2260E	2.14E-10(.4 0.0)	2265E	2.09E-10(.4 0.0)	2270E	2.05E-10(.4 0.0)
2275E	2.01E-10(.4 0.0)	2280E	1.98E-10(.4 0.0)	2285E	1.96E-10(.4 0.0)	2290E	2.00E-10(.4 0.0)	2295E	2.06E-10(.4 0.0)
2300E	2.14E-10(.4 0.0)	2305E	2.24E-10(.4 0.0)	2310E	2.34E-10(.4 0.0)	2315E	2.44E-10(.3 0.0)	0	0.0
2300E	2.16E-10(.4 0.0)	2310E	2.32E-10(.3 0.0)	2320E	2.54E-10(.3 0.0)	2330E	2.59E-10(.3 0.0)	2340E	2.57E-10(.3 0.0)
2350E	2.96E-10(.3 0.0)	2360E	3.21E-10(.2 0.0)	2370E	3.23E-10(.2 0.0)	2380E	3.32E-10(.2 0.0)	2390E	3.32E-10(.2 0.0)
2400E	3.28E-10(.2 0.0)	2410E	3.14E-10(.2 0.0)	2420E	2.99E-10(.2 0.0)	2430E	3.04E-10(.2 0.0)	2440E	3.12E-10(.2 0.0)
2450E	3.04E-10(.2 0.0)	2460E	3.18E-10(.2 0.0)	2470E	3.41E-10(.2 0.0)	2480E	3.38E-10(.1 0.0)	0	0.0
135	0.00(0.0 0.0)	139	0.00(0.0 0.0)	148	0.00(0.0 0.0)	154	0.00(0.0 0.0)	161	0.00(0.0 0.0)
166	0.00(0.0 0.0)	172	3.16(7 0.0)	181	0.19(1.0 0.0)	192	3.14(9 0.0)	204	3.10(7 0.0)
219	3.21(5 0.0)	0	0.00(0.0 0.0)	0	0.00(0.0 0.0)	0	0.00(0.0 0.0)	0	0.00(0.0 0.0)

X,Y(MM) -17.6 -7.4 SL3-108 24 SCANS, T= 231 68 OPH WT 1.0, SCALE 1.00

R = 0.38

R = 0.81

LAMBDA F ( WT, SIG)				F = AVE FLUX FROM LAM-LDE/2 TO LAM-LDE/2										
1510	8.07E-11	(.3 0.0)	1512	6.76E-11	(.4 0.0)	1514	7.64E-11	(.2 0.0)	1516	9.22E-11	(.4 0.0)	1518	7.28E-11	(.4 0.0)
1520U	4.78E-11	(.3 0.0)	1522	5.65E-11	(.3 0.0)	1524	5.75E-11	(.3 0.0)	1526	6.94E-11	(.4 0.0)	1528	7.83E-11	(.4 0.0)
1530	7.25E-11	(.4 0.0)	1532	6.28E-11	(.4 0.0)	1534	6.59E-11	(.4 0.0)	1536	6.18E-11	(.4 0.0)	1538	6.73E-11	(.4 0.0)
1540	7.20E-11	(.4 0.0)	1542	6.22E-11	(.4 0.0)	1544U	3.22E-11	(.3 0.0)	1546U	3.11E-11	(.2 0.0)	1548	3.64E-11	(.2 0.0)
1550	4.54E-11	(.3 0.0)	1552	5.29E-11	(.4 0.0)	1554	6.06E-11	(.4 0.0)	1556	6.27E-11	(.4 0.0)	1558	7.17E-11	(.4 0.0)
1560	7.22E-11	(.4 0.0)	1562	6.19E-11	(.4 0.0)	1564	5.48E-11	(.4 0.0)	1566	4.96E-11	(.4 0.0)	1568	6.02E-11	(.4 0.0)
1570	6.50E-11	(.4 0.0)	1572	5.61E-11	(.4 0.0)	1574	3.17E-11	(.4 0.0)	1576	5.81E-11	(.4 0.0)	1578	5.97E-11	(.4 0.0)
1580	7.17E-11	(.4 0.0)	1582	5.86E-11	(.4 0.0)	1584	6.00E-11	(.4 0.0)	1586	5.55E-11	(.4 0.0)	1588	7.93E-11	(.4 0.0)
1590	7.38E-11	(.4 0.0)	1592	6.90E-11	(.4 0.0)	1594	6.98E-11	(.4 0.0)	1596	7.07E-11	(.4 0.0)	1598	7.18E-11	(.4 0.0)
1600	6.02E-11	(.4 0.0)	1602	6.03E-11	(.4 6.0)	1604	6.23E-11	(.5 5.8)	1606	5.62E-11	(.5 14.4)	1608	5.81E-11	(.5 23.9)
1610	6.22E-11	(.5 23.3)	1612	6.74E-11	(.6 23.1)	1614	6.93E-11	(.6 25.5)	1616	6.28E-11	(.6 23.2)	1618	6.42E-11	(.6 9.9)
1620	6.38E-11	(.6 7.0)	1622	5.63E-11	(.6 6.4)	1624	4.98E-11	(.6 13.5)	1626	5.28E-11	(.6 13.7)	1628	5.81E-11	(.6 13.7)
1630	6.25E-11	(.6 9.6)	1632	6.35E-11	(.7 7.9)	1634	6.54E-11	(.7 7.6)	1636	7.15E-11	(.8 4.2)	1638	7.64E-11	(.8 11.6)
1640	8.15E-11	(.9 9.4)	1642	8.55E-11	(.10 5.2)	1644	8.30E-11	(.10 9.2)	1646	7.49E-11	(.10 14.4)	1648	7.02E-11	(.10 13.6)
1650	6.01E-11	(.9 12.2)	1652	6.01E-11	(.9 12.2)	1654	5.95E-11	(.10 10.0)	1656	5.77E-11	(.10 16.8)	1658	5.81E-11	(.10 12.2)
1660	6.91E-11	(.10 10.3)	1662	6.87E-11	(.10 1.9)	1664	6.64E-11	(.10 3.7)	1666	6.56E-11	(.9 3.6)	1668	6.42E-11	(.10 5.1)
1670	6.51E-11	(.10 6.5)	1672	6.64E-11	(.10 9.6)	1674	6.46E-11	(.11 13.8)	1676	7.13E-11	(.12 16.2)	1678	8.24E-11	(.13 15.4)
1680	8.67E-11	(.13 14.9)	1682	8.45E-11	(.13 13.0)	1684	7.82E-11	(.13 8.6)	1686	7.63E-11	(.13 6.7)	1688	7.63E-11	(.13 6.0)
1690	7.21E-11	(.12 4.7)	1692	6.47E-11	(.11 2.6)	1694	5.76E-11	(.10 1.1)	1696	5.60E-11	(.10 1.7)	1698	6.08E-11	(.11 1.4)
1700	6.83E-11	(.13 4.7)	1702	7.38E-11	(.13 8.8)	1704	7.49E-11	(.13 12.9)	1706	7.41E-11	(.13 12.5)	1708	7.24E-11	(.13 9.3)
1710	6.81E-11	(.13 6.6)	1712	6.03E-11	(.12 1.9)	1714	5.54E-11	(.11 1.0)	1716	5.74E-11	(.12 6.2)	1718	6.35E-11	(.13 16.6)
1720	6.40E-11	(.13 16.6)	1722	6.07E-11	(.12 3.9)	1724	5.47E-11	(.12 4.4)	1726	5.07E-11	(.11 4.4)	1728	5.81E-11	(.12 1.2)
1730	6.22E-11	(.13 21.0)	1732	8.6E-11	(.13 25.8)	1734	7.40E-11	(.13 23.5)	1736	3.7E-11	(.13 17.9)	1738	8.83E-11	(.10 10.8)
1740	6.34E-11	(.13 8.4)	1742	6.06E-11	(.13 9.1)	1744								

 $R = 0.81:$

LAMBDA	F	(WT, SIG)	F = AVE FLUX FROM LAM-DEL/2 TO LAM+DEL/2
1370U	1.67E-09	(.3 0.0)	1372U 1.63E-09 (.2 0.0)
1380U	1.27E-09	(.2 0.0)	1382U 1.67E-09 (.3 0.0)
1390U	1.38E-09	(.2 0.0)	1392U 1.78E-09 (.2 0.0)
1400U	8.31E-10	(.1 0.0)	1402U 1.95E-10 (.0 0.0)
1410	2.32E-09	(.7 0.0)	1412 1.71E-09 (.7 0.0)
1420	1.64E-09	(.6 0.0)	1422 2.08E-09 (.7 0.0)
1430	1.83E-09	(.7 0.0)	1432 1.59E-09 (.7 0.0)
1440	1.68E-09	(.6 0.0)	1442 1.35E-09 (.6 0.0)
1450	1.62E-09	(.9 0.0)	1452 1.76E-09 (.9 0.0)
1460	1.72E-09	(.9 0.0)	1462 1.72E-09 (.9 0.0)
1470	1.51E-09	(.9 0.0)	1472 1.51E-09 (.9 0.0)
1480	1.49E-09	(.9 0.0)	1482 1.52E-09 (.9 0.0)
1490	1.64E-09	(.9 0.0)	1492 1.60E-09 (.9 0.0)
1500	1.30E-09	(.9 0.0)	1502 1.37E-09 (.9 0.0)
1510	1.38E-09	(.9 0.0)	1512 1.28E-09 (.9 0.0)
1520	1.24E-09	(.9 0.0)	1522 1.18E-09 (.9 0.0)
1530	1.13E-09	(.9 0.0)	1532 1.03E-09 (.9 0.0)
1540	6.55E-10	(.9 0.0)	1542 7.69E-10 (.9 0.0)
1550	9.27E-10	(.9 0.0)	1552 1.04E-09 (.9 0.0)
1560	9.70E-10	(.9 0.0)	1562 1.04E-09 (.9 0.0)
1570	1.02E-09	(.9 0.0)	1572 1.05E-09 (.9 0.0)
1580	9.84E-10	(.9 0.0)	1582 1.14E-09 (.9 0.0)
1590	1.30E-09	(.9 0.0)	1592 1.31E-09 (.9 0.0)
1600	1.22E-09	(.9 0.0)	1602 1.16E-09 (.9 0.0)
1610	1.25E-09	(.9 0.0)	1612 1.19E-09 (.8 0.0)
1620	1.31E-09	(.8 0.0)	1622 1.34E-09 (.8 0.0)
1630	1.32E-09	(.8 0.0)	1632 1.45E-09 (.7 0.0)
1640	1.70E-09	(.7 0.0)	1642 1.59E-09 (.7 0.0)
1650	1.67E-09	(.6 0.0)	1652 1.72E-09 (.6 0.0)
1660	1.75E-09	(.6 0.0)	1662 1.78E-09 (.6 0.0)
1670	1.69E-09	(.6 0.0)	1672 1.77E-09 (.6 0.0)
1680	2.06E-09	(.5 0.0)	1682 2.10E-09 (.5 0.0)
1690	1.87E-09	(.5 0.0)	1692 1.96E-09 (.5 0.0)
1700	1.70E-09	(.5 0.0)	1702 1.82E-09 (.5 0.0)
1710	1.70E-09	(.5 0.0)	1712 1.67E-09 (.5 0.0)
1720	1.77E-09	(.5 0.0)	1722 1.69E-09 (.5 0.0)
1730	2.05E-09	(.5 0.0)	1732 2.06E-09 (.4 0.0)
1740	2.16E-09	(.4 0.0)	1742E 2.32E-09 (.4 0.0)
1750	2.19E-09	(.4 0.0)	1752E 2.30E-09 (.4 0.0)
1760	2.25E-09	(.4 0.0)	1762E 2.11E-09 (.4 0.0)
1770	2.11E-09	(.4 0.0)	1772E 2.26E-09 (.4 0.0)
1780	2.24E-09	(.3 0.0)	1782E 2.23E-09 (.3 0.0)
1790	2.05E-09	(.3 0.0)	1792E 2.07E-09 (.3 0.0)
1800	2.03E-09	(.3 0.0)	1802E 2.14E-09 (.3 0.0)
1810	2.01E-09	(.3 0.0)	1812E 2.01E-09 (.3 0.0)
1820	2.08E-09	(.3 0.0)	1822E 2.24E-09 (.3 0.0)
1800E	2.10E-09	(.3 0.0)	1805E 2.18E-09 (.3 0.0)
1825E	2.18E-09	(.3 0.0)	1830E 1.96E-09 (.3 0.0)
1850E	1.69E-09	(.3 0.0)	1855E 1.67E-09 (.3 0.0)
1875E	1.41E-09	(.3 0.0)	1880E 1.21E-09 (.4 0.0)
1900E	1.29E-09	(.3 0.0)	1905E 1.28E-09 (.3 0.0)
1925E	1.27E-09	(.3 0.0)	1930E 1.21E-09 (.3 0.0)
1950E	1.25E-09	(.3 0.0)	1955E 1.31E-09 (.3 0.0)
1975E	1.18E-09	(.3 0.0)	1980E 1.17E-09 (.3 0.0)
2000E	1.24E-09	(.2 0.0)	2005E 1.25E-09 (.2 0.0)
2025E	1.06E-09	(.2 0.0)	2030E 9.91E-10 (.2 0.0)
2050E	1.11E-09	(.2 0.0)	2055E 1.00E-09 (.2 0.0)
2075E	1.04E-09	(.2 0.0)	2080E 1.02E-09 (.2 0.0)
2100E	8.58E-10	(.2 0.0)	2105E 8.32E-10 (.2 0.0)
2125E	8.95E-10	(.2 0.0)	2130E 8.19E-10 (.2 0.0)
135	0.00(0.0 0.0)		139U 1.38(.2 0.0)
166	.74(.6 0.0)		172 .68(.5 0.0)
219	0.00(0.0 0.0)		245 0.00(0.0 0.0)
148	.89(.9 0.0)		154 1.43(.9 0.0)
181E	.62(.3 0.0)		192E 1.15(.3 0.0)
0	0.00(0.0 0.0)		0 0.00(0.0 0.0)
161	1.08(.8 0.0)		204E 1.32(.2 0.0)
204E	1.32(.2 0.0)		210E 1.00(0.0 0.0)

X,Y(NMM) -17.6 -7.8 SL3-130 14 SCANS, T= 234 THT ARA WT .9,SCALE 1.00

R = 0.79+-





$R = 0.76$

HD 166937

MU SGR

HD 166937.

LAMBDA, F, (WT, SIG)			F = AVE FLUX FROM LAM-DEL/2 TO LAM-DEL/2		
1560U	1.66E-10	(.5 8.6)	1562U	1.55E-10	(.5 4.8)
1570U	1.34E-10	(.5 1.1)	1572U	1.21E-10	(.5 17.8)
1580U	1.61E-10	(.7 3)	1582U	1.29E-10	(.6 6.8)
1590U	1.75E-10	(1.0 15.1)	1592U	1.48E-10	(.7 10.0)
1600U	1.40E-10	(.8 5.3)	1602U	1.24E-10	(.6 1.9)
1610U	1.01E-10	(.5 17.9)	1612U	9.43E-11	(.6 19.8)
1620U	9.12E-11	(.4 24.9)	1622U	6.96E-11	(.3 34.0)
1630U	7.59E-11	(.3 35.2)	1632U	7.27E-11	(.5 33.0)
1640U	9.33E-11	(.8 11.8)	1642U	9.90E-11	(.9 22.7)
1650	1.35E-10	(.3 8.5)	1652	1.38E-10	(.3 4.1)
1660	1.09E-10	(.2 6.3)	1662	1.19E-10	(.2 2.6)
1670	1.25E-10	(.4 3.4)	1672	1.32E-10	(.4 3.7)
1680	1.36E-10	(.5 5.6)	1682	1.29E-10	(.5 5.6)
1690	1.63E-10	(.7 16.0)	1692	1.69E-10	(.7 18.8)
1700	1.42E-10	(.6 2.9)	1702	1.51E-10	(.7 5.8)
1710	1.30E-10	(.6 1.5)	1712	1.36E-10	(.7 3.1)
1720	1.46E-10	(.7 13.6)	1722	1.49E-10	(.7 9.1)
1730	1.38E-10	(.7 4.7)	1732	1.36E-10	(.7 7.9)
1740	1.44E-10	(.7 16.7)	1742	1.43E-10	(.7 21.0)
1750	1.41E-10	(.7 3.1)	1752	1.46E-10	(.7 2.4)
1760	1.45E-10	(.7 5.3)	1762	1.43E-10	(.7 10.2)
1770	1.49E-10	(.7 17.2)	1772	1.54E-10	(.7 13.3)
1780	1.50E-10	(.7 7.3)	1782	1.52E-10	(.7 5.3)
1790	1.48E-10	(.7 10.2)	1792	1.51E-10	(.7 8.8)
1800	1.68E-10	(.7 12.0)	1802	1.70E-10	(.7 12.3)
1810	1.73E-10	(.7 10.0)	1812	1.75E-10	(.7 10.7)
1820	1.88E-10	(.7 7.8)	1822	1.83E-10	(.7 10.3)
1830	1.66E-10	(.7 11.9)	1835	1.68E-10	(.7 10.4)
1840	1.64E-10	(.7 9.5)	1845	1.62E-10	(.7 9)
1850	1.45E-10	(.7 8.5)	1855	1.35E-10	(.7 3.5)
1875	1.45E-10	(.7 2)	1880	1.47E-10	(.7 2.2)
1900	1.34E-10	(.7 5.7)	1905	1.31E-10	(.7 1.8)
1925	1.27E-10	(.7 3.6)	1930	1.31E-10	(.7 3.0)
1950	1.31E-10	(.6 1.2)	1955	1.29E-10	(.6 1.5)
1975	1.13E-10	(.6 2.8)	1980	1.15E-10	(.6 2.3)
2000	1.02E-10	(.6 4.8)	2005	1.04E-10	(.6 4.9)
2025	1.05E-10	(.6 7.2)	2030	1.07E-10	(.6 7.2)
2050	9.30E-11	(.6 7.2)	2055	9.24E-11	(.6 12.0)
2075	8.65E-11	(.6 9.4)	2080	8.64E-11	(.6 10.5)
2100	8.53E-11	(.5 4.6)	2105	8.30E-11	(.5 4.5)
2125	7.82E-11	(.5 3.0)	2130	7.64E-11	(.5 3.6)
2150	7.34E-11	(.5 2.5)	2155	7.30E-11	(.5 3.1)
2175	7.09E-11	(.5 5.0)	2180	6.97E-11	(.5 6.3)
2200	6.99E-11	(.5 4.6)	2205	7.05E-11	(.4 5.4)
2225	6.69E-11	(.4 8.0)	2230	6.60E-11	(.4 7.2)
2250	7.37E-11	(.3 1.5)	2255	7.35E-11	(.3 3.4)
2275	7.40E-11	(.3 3.5)	2280	7.45E-11	(.2 2.4)
2300	7.77E-11	(.2 6.5)	2305	7.68E-11	(.2 6.7)
2300	7.68E-11	(.1 9.0)	2310	7.67E-11	(.1 1.9)
2330	8.65E-11	(.1 2.1)	2360	8.72E-11	(.1 7.5)
2400	9.40E-11	(.9 4.6)	2410	9.08E-11	(.9 5.3)
2450E	9.46E-11	(.8 3.5)	2460E	9.92E-11	(.8 1.6)
2500E	1.08E-10	(.7 10.0)	2510E	1.11E-10	(.7 6.5)
2550E	1.24E-10	(.6 3.6)	2560E	1.29E-10	(.6 1.5)
2600E	1.30E-10	(.5 7.7)	2610E	1.24E-10	(.5 7.9)
2650E	1.42E-10	(.5 11.3)	2660E	1.46E-10	(.4 14.5)
2700E	1.73E-10	(.4 11.9)	2710E	1.62E-10	(.4 10.9)
2750E	1.59E-10	(.4 9.2)	2760E	1.54E-10	(.4 11.8)
2800E	1.52E-10	(.4 6.8)	2810E	1.55E-10	(.3 6.4)
2850E	1.91E-10	(.2 19.0)	2860E	1.82E-10	(.2 20.9)
2900E	1.60E-10	(.3 4.8)	2910E	1.53E-10	(.3 3.8)
2950E	1.31E-10	(.3 11.7)	2960E	1.36E-10	(.3 6.1)
3000E	1.66E-10	(.2 4.7)	3010E	1.73E-10	(.2 1.0)
3000E	1.71E-10	(.2 2.1)	3020E	1.75E-10	(.2 3.0)
3100E	1.86E-10	(.2 17.0)	3120E	1.94E-10	(.2 15.8)
3200E	1.97E-10	(.1 2.1)	3220E	1.93E-10	(.1 1.1)
3300E	1.88E-10	(.1 3.7)	3320E	1.98E-10	(.1 2.6)
135	0.00(0.0 0.0)		139	0.00(0.0 0.0)	
166	3.62(1.3 4.6)		172	3.49(1.7 4.6)	
219	4.24(1.4 9)		245E	3.84(.8 24.6)	
X,Y(MM) -.2 20.5 SL3-154 22 SCANS, T= 226 MU SGR WT .9, SCALE 1.02					
X,Y(MM) -1.3 5.4 SL3-194 19 SCANS, T= 225: MU SGR WT .9, SCALE .98					

R = 0.93+-

LAMBDA	F	(WT, SIG)	F = AVE FLUX	FROM LAM-DEL/2	TO LAM+DEL/2
1470.0	0.0	(0.0 0.0)	1472.0	0.0	(0.0 0.0)
1480.2	5.5E-10	(5.0 0.0)	1482.1	6.6E-10	(4.0 0.0)
1490.1	8.0E-10	(5.42 0.0)	1492.2	2.2E-10	(6.22 9.0)
1500.2	2.2E-10	(6.6 4.0)	1502.2	2.3E-10	(6.8 8.0)
1510.1	1.4E-10	(5.21 4.0)	1512.1	1.4E-10	(6.1 3.0)
1520.1	1.04E-10	(7.4 1.0)	1522.2	2.0E-10	(6.17 4.0)
1530.1	1.90E-10	(9.16 9.0)	1532.2	2.2E-10	(9.13 3.0)
1540.1	1.23E-10	(4.51 2.0)	1542.1	9.18E-11	(2.59 3.0)
1550.1	1.17E-10	(7.9 8.0)	1552.1	1.15E-10	(7.18 6.0)
1560.1	1.53E-10	(7.11 7.0)	1562.1	1.33E-10	(7.7 5.0)
1570.1	9.31E-11	(6.11 7.0)	1572.1	1.20E-10	(6.4 4.0)
1580.1	1.29E-10	(8.6 6.0)	1582.1	1.2E-10	(6.18 3.0)
1590.1	1.51E-10	(6.31 2.0)	1592.1	1.62E-10	(6.19 5.0)
1600.1	1.66E-10	(7.3 3.0)	1602.1	1.47E-10	(8.3 6.0)
1610.1	1.24E-10	(5.13 5.0)	1612.1	1.29E-10	(4.16 2.0)
1620.1	9.37E-11	(2.0 0.0)	1622.1	6.50E-11	(2.0 0.0)
1630.1	9.24E-11	(3.0 0.0)	1632.1	9.83E-11	(3.0 0.0)
1640.1	8.33E-11	(3.0 0.0)	1642.1	7.88E-11	(3.0 0.0)
1650.1	1.20E-10	(6.0 0.0)	1652.1	1.17E-10	(8.0 0.0)
1660.1	9.78E-11	(6.0 0.0)	1662.1	1.35E-10	(9.0 0.0)
1670.1	1.43E-10	(9.0 0.0)	1672.1	1.40E-10	(9.0 0.0)
1680.1	1.59E-10	(9.0 0.0)	1682.1	1.61E-10	(9.0 0.0)
1690.1	1.63E-10	(9.0 0.0)	1692.1	1.59E-10	(9.0 0.0)
1700.1	1.52E-10	(9.0 0.0)	1702.1	1.55E-10	(9.0 0.0)
1710.1	1.73E-10	(9.0 0.0)	1712.1	1.76E-10	(9.0 0.0)
1720.1	1.75E-10	(9.0 0.0)	1722.1	1.83E-10	(9.0 0.0)
1730.1	1.62E-10	(9.0 0.0)	1732.1	1.83E-10	(9.0 0.0)
1740.1	1.58E-10	(9.0 0.0)	1742.1	1.54E-10	(9.3 3.0)
1750.1	1.56E-10	(1.1 7.0)	1752.1	1.53E-10	(1.2 6.9)
1760.1	1.43E-10	(1.4 9.4)	1762.1	1.39E-10	(1.4 10.0)
1770.1	1.53E-10	(1.7 12.1)	1772.1	1.57E-10	(1.7 11.3)
1780.1	1.56E-10	(1.9 5.7)	1782.1	1.60E-10	(2.0 3.2)
1790.1	1.47E-10	(2.2 4.9)	1792.1	1.49E-10	(2.2 6.0)
1800.1	1.48E-10	(2.2 8.2)	1802.1	1.45E-10	(2.2 7.4)
1810.1	1.51E-10	(2.2 13.2)	1812.1	1.48E-10	(2.2 9.6)
1820.1	1.40E-10	(2.2 6.2)	1822.1	1.43E-10	(2.2 6.8)
1800.1	1.48E-10	(2.2 8.3)	1805.1	1.45E-10	(2.2 9.1)
1825.1	1.48E-10	(2.1 7.2)	1830.1	1.63E-10	(2.1 14.8)
1850.1	1.46E-10	(2.1 9.2)	1855.1	1.43E-10	(2.1 7.0)
1875.1	1.30E-10	(2.1 9.0)	1880.1	1.41E-10	(2.1 16.5)
1900.1	1.28E-10	(2.1 3.8)	1905.1	1.20E-10	(2.1 7.6)
1925.1	1.11E-10	(2.1 7.7)	1930.1	1.11E-10	(2.1 4.8)
1950.1	1.02E-10	(2.1 3.6)	1955.1	9.90E-11	(2.1 8.0)
1975.1	9.28E-11	(2.1 10.5)	1980.1	9.08E-11	(2.1 11.5)
2000.1	9.01E-11	(2.1 13.5)	2005.1	8.85E-11	(2.0 10.9)
2025.1	7.93E-11	(2.0 15.6)	2030.1	7.84E-11	(2.0 15.5)
2050.1	7.34E-11	(2.0 20.4)	2055.1	7.12E-11	(2.0 14.7)
2075.1	6.47E-11	(2.0 15.0)	2080.1	6.42E-11	(2.0 16.6)
2100.1	6.07E-11	(1.9 15.8)	2105.1	6.08E-11	(1.9 13.8)
2125.1	6.03E-11	(1.9 7.6)	2130.1	5.94E-11	(1.8 6.7)
2150.1	5.13E-11	(1.8 17.8)	2155.1	4.96E-11	(1.8 15.3)
2175.1	5.32E-11	(1.8 10.1)	2180.1	5.23E-11	(1.7 9.6)
2200.1	4.92E-11	(1.6 7.9)	2205.1	4.89E-11	(1.6 6.9)
2225.1	5.18E-11	(1.4 15.3)	2230.1	5.08E-11	(1.3 18.0)
2250.1	5.2E-11	(1.2 11.1)	2255.1	5.25E-11	(1.2 12.6)
2275.1	5.08E-11	(1.2 17.4)	2280.1	5.21E-11	(1.2 22.2)
2300.1	5.77E-11	(.9 16.0)	2305.1	5.94E-11	(.9 13.3)
2300.1	5.56E-11	(.9 19.3)	2310.1	5.97E-11	(.9 11.9)
2350.1	5.79E-11	(.8 14.4)	2360.1	6.30E-11	(.8 19.8)
2400E	6.69E-11	(.7 17.8)	2410E	6.57E-11	(.7 12.6)
2450E	6.51E-11	(.7 5.5)	2460E	6.80E-11	(.7 4.5)
2500E	7.03E-11	(.6 10.0)	2510E	6.78E-11	(.6 19.0)
2550E	7.30E-11	(.5 9.9)	2560E	6.76E-11	(.5 7.6)
2600E	6.45E-11	(.5 6.7)	2610E	6.08E-11	(.5 3.5)
2650E	7.55E-11	(.4 10.6)	2660E	7.54E-11	(.4 12.4)
2700E	7.98E-11	(.4 4.7)	2710E	7.90E-11	(.4 5.5)
2750E	7.37E-11	(.3 0.0)	2760E	7.78E-11	(.3 0.0)
2800E	7.70E-11	(.3 0.0)	2810E	7.75E-11	(.3 0.0)
2850E	7.07E-11	(.3 0.0)	2860E	7.07E-11	(.3 0.0)
2900E	7.60E-11	(.3 0.0)	2910E	7.32E-11	(.3 0.0)
2950E	7.29E-11	(.3 0.0)	2960E	7.33E-11	(.3 0.0)
3000E	7.35E-11	(.3 0.0)	3010E	7.52E-11	(.3 0.0)
3000E	7.29E-11	(.3 0.0)	3020E	7.23E-11	(.3 0.0)
3100E	7.00E-11	(.3 0.0)	3120E	6.60E-11	(.3 0.0)
3200E	7.82E-11	(.2 0.0)	3220E	7.65E-11	(.2 0.0)
3300E	6.78E-11	(.2 0.0)	3320E	6.31E-11	(.2 0.0)
3400E	6.58E-11	(.2 0.0)	3420E	6.58E-11	(.2 0.0)
3500E	5.32E-11	(.3 0.0)	3520E	5.04E-11	(.3 0.0)
3600E	3.74E-11	(.3 0.0)	3620E	3.76E-11	(.3 0.0)
3700E	3.28E-11	(.4 0.0)	3720E	3.23E-11	(.4 0.0)
3800E	2.65E-11	(.4 0.0)	3820E	2.48E-11	(.4 0.0)
3900.1	2.61E-11	(.4 0.0)	3920.1	2.65E-11	(.4 0.0)
147.0	0.00(0.0 0.0)		148.0	0.00(0.0 0.0)	
166.0	3.63(.7 0.0)		172.0	3.36(.9 0.0)	
219.0	4.59(1.5 10.4)		245E	4.34(.6 29.2)	
148.0	0.00(0.0 0.0)		181.0	3.47(2.1 7.4)	
280E	4.23(.3 0.0)		360.0	0.00(0.0 0.0)	
154.0	3.50(.7 17.6)		192.0	3.76(2.1 3.8)	
360.0	0.00(0.0 0.0)		161U	3.68(.5 0.0)	
204.0	4.21(2.0 14.5)		0.0	0.00(0.0 0.0)	

X,Y(MM) -1.6 -9 SL3-J96 6 SCANS, T= 270: 16 SGR WT .5, SCALE 1.30

X,Y(MM) -1.1 13.4 SL3-154 22 SCANS, T= 226: 16 SGR WT .9, SCALE .93

X,Y(MM) -1.6 -9 SL3-194 19 SCANS, T= 225: 16 SGR WT .9, SCALE .85

R = 1.10



X,Y(MM) -12.9 -5.6 SI 3-208 19 SCANS. T= 225 HR 6875 WT 1.0 SCALE 1.00

R = 1.00

AMBA			F		(WT, SIG)		F - AVE FLUX FROM LAM-DEL/2 TO LAM+DEL/2																	
ALSO	0	(0.0)	0	0	0	0	1432U	9.80E-10	2	0.0	1434U	1.17E-09	2	0.0	1436U	1.30E-09	2	0.0	1438U	1.25E-09	2	0.0		
1440U	1.06E-09	(2.0)	0.0	0.0	1442U	9.46E-10	2	0.0	1444U	1.03E-09	2	0.0	1446U	1.36E-09	2	0.0	1448U	9.93E-10	2	0.0	1450U	9.19E-10	2	0.0
1450U	9.19E-10	(2.0)	0.0	0.0	1452U	1.08E-09	2	0.0	1454U	1.32E-09	3	0.0	1456U	9.45E-10	2	0.0	1458U	7.87E-10	3	0.0	1460U	1.22E-09	3	0.0
1460U	1.22E-09	(3.0)	0.0	0.0	1462U	1.05E-09	3	0.0	1464U	1.12E-09	3	0.0	1466U	1.16E-09	3	0.0	1468U	8.56E-10	3	0.0	1470U	9.50E-10	2	0.0
1470U	9.50E-10	(2.0)	0.0	0.0	1472U	7.95E-10	3	0.0	1474U	8.70E-10	3	0.0	1476U	1.01E-09	4	0.0	1478U	1.19E-09	5	0.0	1480U	9.57E-10	5	0.0
1480U	9.57E-10	(5.0)	0.0	0.0	1482U	9.97E-10	4	0.0	1484U	9.29E-10	4	0.0	1486U	1.01E-09	6	0.0	1488U	1.10E-09	7	0.0	1490U	1.32E-09	8	0.0
1490U	1.32E-09	(8.0)	0.0	0.0	1492U	1.22E-09	8	0.0	1494U	1.05E-09	8	0.0	1496U	1.11E-09	8	0.0	1500U	1.30E-09	10	0.0	1500U	1.30E-09	(1.0)	0.0
1500U	1.30E-09	(1.0)	0.0	0.0	1502U	1.15E-09	10	0.0	1504U	1.09E-09	10	0.0	1506U	9.35E-10	0	0.0	1508U	9.36E-10	0	0.0	1510U	1.20E-09	(1.0)	0.0
1510U	1.20E-09	(1.0)	0.0	0.0	1512U	1.20E-09	(1.0)	0.0	1514U	1.13E-09	(1.0)	0.0	1516U	9.60E-10	(9)	0.0	1518U	9.62E-10	(1.0)	0.0	1520U	1.18E-09	(1.0)	0.0
1520U	1.18E-09	(1.0)	0.0	0.0	1522U	1.24E-09	(1.0)	0.0	1524U	1.14E-09	(1.0)	0.0	1526U	1.06E-09	(1.0)	0.0	1528U	1.07E-09	(1.0)	0.0	1530U	1.30E-09	(1.0)	0.0
1530U	1.30E-09	(1.0)	0.0	0.0	1532U	1.34E-09	(1.0)	0.0	1534U	1.22E-09	(1.0)	0.0	1536U	1.11E-09	(1.0)	0.0	1538U	1.19E-09	(1.0)	0.0	1540U	1.15E-09	(1.0)	0.0
1540U	1.15E-09	(1.0)	0.0	0.0	1542U	1.12E-09	(1.0)	0.0	1544U	1.06E-09	(1.0)	0.0	1546U	1.04E-09	(1.0)	0.0	1548U	1.03E-09	(1.0)	0.0	1550U	9.67E-10	(1.0)	0.0
1550U	9.67E-10	(1.0)	0.0	0.0	1552U	9.94E-10	(1.0)	0.0	1554U	9.93E-10	(1.0)	0.0	1556U	8.63E-10	(1.0)	0.0	1558U	7.90E-10	(1.0)	0.0	1560U	8.56E-10	(1.0)	0.0
1560U	8.56E-10	(1.0)	0.0	0.0	1562U	9.19E-10	(1.0)	0.0	1564U	8.41E-10	(1.0)	0.0	1566U	7.16E-10	(1.0)	0.0	1568U	8.00E-10	(1.0)	0.0	1570U	8.67E-10	(1.0)	0.0
1570U	8.67E-10	(1.0)	0.0	0.0	1572U	8.92E-10	(1.0)	0.0	1574U	8.67E-10	(1.0)	0.0	1576U	7.42E-10	(1.0)	0.0	1578U	7.42E-10	(1.0)	0.0	1580U	9.68E-10	(1.0)	0.0
1580U	9.68E-10	(1.0)	0.0	0.0	1582U	9.10E-10	(1.0)	0.0	1584U	9.81E-10	(1.0)	0.0	1586U	1.04E-09	(1.0)	0.0	1588U	1.00E-09	(9)	3.7	1590U	1.07E-09	(9)	6.2
1590U	1.07E-09	(9)	6.2	5.92	1.08E-09	(9)	9.0	1594U	1.02E-09	(1.0)	9.0	1596U	9.74E-10	(1.0)	8.2	1598U	9.64E-10	(1.0)	8.9	1600U	1.01E-09</			

X,Y(MM)	-13.6	6.0	SL3-210	18 SCANS, T= 228	EPS SGR	WT 1.0, SCALE 1.01
X,Y(MM)	-14.7	-6.9	SL3-211	19 SCANS, T= 77	EPS SGR	WT 1.0, SCALE .89
X,Y(MM)	-14.7	-6.9	SL3-212	17 SCANS, T= 28	EPS SGR	WT 1.0, SCALE 1.09

$$R = 0.76 \pm$$

LAMBDA, F (WT, SIG) F = AVE FLUX FROM LAM-DEL/2 TO LAM+DEL/2

1540, 1.79E-09(1.0 0.0)	1542, 1.91E-09(1.0 0.0)	1544, 1.96E-09(1.0 0.0)	1546, 1.93E-09(1.0 0.0)	1548, 1.99E-09(1.0 0.0)
1550, 1.99E-09(1.0 0.0)	1552, 1.90E-09(1.0 0.0)	1554, 1.74E-09(1.0 0.0)	1556, 1.80E-09(1.0 0.0)	1558, 1.87E-09(1.0 0.0)
1560, 1.87E-09(1.0 0.0)	1562, 1.91E-09(1.0 0.0)	1564, 1.78E-09(1.0 0.0)	1566, 1.73E-09(1.0 0.0)	1568, 1.80E-09(1.0 0.0)
1570, 1.79E-09(1.0 0.0)	1572, 1.72E-09(1.0 0.0)	1574, 1.72E-09(1.0 0.0)	1576, 1.70E-09(1.0 0.0)	1578, 1.56E-09(1.0 0.0)
1580, 1.63E-09(1.0 0.0)	1582, 1.68E-09(1.0 0.0)	1584, 1.67E-09(1.0 0.0)	1586, 1.68E-09(1.0 0.0)	1588, 1.64E-09(1.0 0.0)
1590, 1.56E-09(1.0 0.0)	1592, 1.54E-09(1.0 0.0)	1594, 1.52E-09(1.0 0.0)	1596, 1.45E-09(1.0 0.0)	1598, 1.48E-09(1.0 0.0)
1600, 1.51E-09(1.0 0.0)	1602, 1.54E-09(1.0 0.0)	1604, 1.55E-09(1.0 0.0)	1606, 1.45E-09(1.0 0.0)	1608, 1.43E-09(1.0 0.0)
1610, 1.55E-09(1.0 0.0)	1612, 1.69E-09(1.0 0.0)	1614, 1.80E-09(1.0 0.0)	1616, 1.77E-09(1.0 0.0)	1618, 1.71E-09(1.0 0.0)
1620, 1.72E-09(1.0 0.0)	1622, 1.74E-09(1.0 0.0)	1624, 1.75E-09(1.0 0.0)	1626, 1.74E-09(1.0 0.0)	1628, 1.75E-09(1.0 0.0)
1630, 1.68E-09(1.0 0.0)	1632, 1.53E-09(1.0 0.0)	1634, 1.57E-09(1.0 0.0)	1636, 1.64E-09(1.0 0.0)	1638, 1.71E-09(1.0 0.0)
1640, 1.77E-09(1.0 0.0)	1642, 1.76E-09(1.0 0.0)	1644, 1.72E-09(1.0 0.0)	1646, 1.71E-09(1.0 0.0)	1648, 1.72E-09(1.0 0.0)
1650, 1.76E-09(1.0 0.0)	1652, 1.83E-09(1.0 0.0)	1654, 1.81E-09(1.0 0.0)	1656, 1.72E-09(1.0 0.0)	1658, 1.71E-09(1.0 0.0)
1660, 1.76E-09(1.0 0.0)	1662, 1.84E-09(1.0 0.0)	1664, 1.87E-09(1.0 0.0)	1666, 1.78E-09(1.0 0.0)	1668, 1.73E-09(1.0 0.0)
1670, 1.67E-09(1.0 0.0)	1672, 1.54E-09(1.0 0.0)	1674, 1.46E-09(1.0 0.0)	1676, 1.45E-09(1.0 0.0)	1678, 1.40E-09(1.0 0.0)
1680, 1.38E-09(1.0 0.0)	1682, 1.42E-09(1.0 0.0)	1684, 1.45E-09(1.0 0.0)	1686, 1.48E-09(1.0 0.0)	1688, 1.44E-09(1.0 0.0)
1690, 1.35E-09(1.0 0.0)	1692, 1.36E-09(1.0 0.0)	1694, 1.40E-09(1.0 0.0)	1696, 1.38E-09(1.0 0.0)	1698, 1.41E-09(1.0 0.0)
1700, 1.46E-09(1.0 0.0)	1702, 1.49E-09(1.0 0.0)	1704, 1.51E-09(1.0 0.0)	1706, 1.48E-09(1.0 0.0)	1708, 1.46E-09(1.0 0.0)
1710, 1.44E-09(1.0 0.0)	1712, 1.44E-09(1.0 0.0)	1714, 1.49E-09(1.0 0.0)	1716, 1.49E-09(1.0 0.0)	1718, 1.49E-09(1.0 0.0)
1720, 1.49E-09(1.0 0.0)	1722, 1.47E-09(1.0 0.0)	1724, 1.41E-09(1.0 0.0)	1726, 1.37E-09(1.0 0.0)	1728, 1.38E-09(1.0 0.0)
1730, 1.44E-09(1.0 0.0)	1732, 1.49E-09(1.0 0.0)	1734, 1.48E-09(1.0 0.0)	1736, 1.43E-09(1.0 0.0)	1738, 1.36E-09(1.0 0.0)
1740, 1.39E-09(1.0 0.0)	1742, 1.44E-09(1.0 0.0)	1744, 1.48E-09(1.0 0.0)	1746, 1.45E-09(1.0 0.0)	1748, 1.47E-09(1.0 0.0)
1750, 1.56E-09(1.0 0.0)	1752, 1.60E-09(1.0 0.0)	1754, 1.58E-09(1.0 0.0)	1756, 1.54E-09(1.0 0.0)	1758, 1.55E-09(1.0 0.0)
1760, 1.55E-09(1.0 0.0)	1762, 1.54E-09(1.0 0.0)	1764, 1.49E-09(1.0 0.0)	1766, 1.43E-09(1.0 0.0)	1768, 1.39E-09(1.0 0.0)
1770, 1.39E-09(1.0 0.0)	1772, 1.41E-09(1.0 0.0)	1774, 1.44E-09(1.0 0.0)	1776, 1.46E-09(1.0 0.0)	1778, 1.49E-09(1.0 0.0)
1780, 1.50E-09(1.0 0.0)	1782, 1.50E-09(1.0 0.0)	1784, 1.51E-09(1.0 0.0)	1786, 1.51E-09(1.0 0.0)	1788, 1.53E-09(1.0 0.0)
1790, 1.58E-09(1.0 0.0)	1792, 1.66E-09(1.0 0.0)	1794, 1.73E-09(1.0 0.0)	1796, 1.76E-09(1.0 0.0)	1798, 1.77E-09(1.0 0.0)
1800, 1.74E-09(1.0 0.0)	1802, 1.70E-09(1.0 0.0)	1804, 1.68E-09(1.0 0.0)	1806, 1.74E-09(1.0 0.0)	1808, 1.76E-09(1.0 0.0)
1810, 1.81E-09(1.0 0.0)	1812, 1.85E-09(1.0 0.0)	1814, 1.85E-09(1.0 0.0)	1816, 1.89E-09(1.0 0.0)	1818, 1.87E-09(1.0 0.0)
1820, 1.82E-09(1.0 0.0)	1822, 1.76E-09(1.0 0.0)	1824, 1.74E-09(1.0 0.0)	1826, 1.74E-09(1.0 0.0)	0, 0, (0.0 0.0)
1800E 1.75E-09(1.0 0.0)	1805E 1.72E-09(1.0 0.0)	1810E 1.80E-09(1.0 0.0)	1815E 1.87E-09(1.0 0.0)	1820E 1.81E-09(1.0 0.0)
1825E 1.75E-09(1.0 0.0)	1830E 1.81E-09(1.0 0.0)	1835E 1.80E-09(1.0 0.0)	1840E 1.75E-09(1.0 0.0)	1845E 1.85E-09(1.0 0.0)
1850E 1.91E-09(1.0 0.0)	1855E 1.77E-09(1.0 0.0)	1860E 1.83E-09(1.0 0.0)	1865E 1.76E-09(1.0 0.0)	1870E 1.80E-09(1.0 0.0)
1875E 1.76E-09(1.0 0.0)	1880E 1.68E-09(1.0 0.0)	1885E 1.66E-09(1.0 0.0)	1890E 1.62E-09(1.0 0.0)	1895E 1.64E-09(1.0 0.0)
1900E 1.62E-09(1.0 0.0)	1905E 1.63E-09(1.0 0.0)	1910E 1.55E-09(1.0 0.0)	1915E 1.39E-09(1.0 0.0)	1920E 1.31E-09(1.0 0.0)
1925E 1.35E-09(1.0 0.0)	1930E 1.41E-09(1.0 0.0)	1935E 1.40E-09(1.0 0.0)	1940E 1.27E-09(1.0 0.0)	1945E 1.25E-09(1.0 0.0)
1950E 1.20E-09(1.0 0.0)	1955E 1.18E-09(1.0 0.0)	1960E 1.25E-09(1.0 0.0)	1965E 1.26E-09(1.0 0.0)	1970E 1.18E-09(1.0 0.0)
1975E 1.07E-09(1.0 0.0)	1980E 1.00E-09(1.0 0.0)	1985E 9.93E-10(1.0 0.0)	1990E 1.02E-09(1.0 0.0)	1995E 1.04E-09(1.0 0.0)
2000E 1.12E-09(1.0 0.0)	2005E 1.05E-09(1.0 0.0)	2010E 9.84E-10(1.0 0.0)	2015E 9.75E-10(1.0 0.0)	2020E 9.75E-10(1.0 0.0)
2025E 9.40E-10(1.0 0.0)	2030E 9.19E-10(1.0 0.0)	2035E 8.99E-10(1.0 0.0)	2040E 8.53E-10(1.0 0.0)	2045E 8.22E-10(1.0 0.0)
2050E 8.59E-10(1.0 0.0)	2055E 9.58E-10(1.0 0.0)	2060E 1.01E-09(1.0 0.0)	2065E 1.00E-09(1.0 0.0)	2070E 1.00E-09(1.0 0.0)
2075E 1.05E-09(1.0 0.0)	2080E 1.03E-09(1.0 0.0)	2085E 9.95E-10(1.0 0.0)	2090E 9.45E-10(1.0 0.0)	2095E 9.07E-10(1.0 0.0)
2100E 8.96E-10(1.0 0.0)	2105E 8.74E-10(1.0 0.0)	2110E 8.74E-10(1.0 0.0)	2115E 8.79E-10(1.0 0.0)	2120E 8.57E-10(1.0 0.0)
135, 0.00(0.0 0.0)	139, 0.00(0.0 0.0)	148, 0.00(0.0 0.0)	154, 0.00(0.0 0.0)	161, 0.88(1.9 0.0)
166, 0.87(1.8 0.0)	172, 0.98(1.6 0.0)	181E, 0.83(1.4 0.0)	192E, 1.01(1.3 0.0)	204E, 1.44(1.2 0.0)
219, 0.00(0.0 0.0)	0, 0.00(0.0 0.0)	0, 0.00(0.0 0.0)	0, 0.00(0.0 0.0)	0, 0.00(0.0 0.0)

V (NM) -13.4 11.4 SL3-208 19 SCANS, T= 225 ALF TEL WT 1.0, SCALE 1.00

R = 1.20



LAMDA	F	(WT	SIG	F = AVE FLUX	FROM LAM-DEL/2	TO LAM-DEL/2	LAMDA	F	(WT	SIG	F = AVE FLUX	FROM LAM-DEL/2	TO LAM-DEL/2	LAMDA	F	(WT	SIG		
1590.0	0.0	(0.0	0.0)	1592.0	0.0	(0.0	0.0)	1594.0	1.70E-10	2.0	0.0)	1596.0	1.92E-10	2.0	0.0)	1598.0	2.01E-10	2.0	0.0)
1600.0	1.85E-10	3.0	0.0)	1602.0	1.82E-10	3.0	0.0)	1604.0	2.02E-10	2.0	0.0)	1606.0	1.51E-10	1.0	0.0)	1608.0	1.01E-10	1.0	0.0)
1610.0	1.32E-10	1.0	0.0)	1612.0	1.32E-10	1.0	0.0)	1614.0	1.62E-10	2.0	0.0)	1616.0	2.18E-10	3.0	0.0)	1618.0	2.19E-10	4.0	0.0)
1620.0	2.16E-10	3.0	0.0)	1622.0	1.72E-10	3.0	0.0)	1624.0	1.20E-10	2.0	0.0)	1626.0	1.22E-10	2.0	0.0)	1628.0	1.58E-10	2.0	0.0)
1630.0	1.86E-10	3.0	0.0)	1632.0	1.71E-10	3.0	0.0)	1634.0	1.60E-10	3.0	0.0)	1636.0	1.71E-10	3.0	0.0)	1638.0	1.24E-10	2.0	0.0)
1640.0	1.05E-10	2.0	0.0)	1642.0	1.33E-10	2.0	0.0)	1644.0	1.36E-10	2.0	0.0)	1646.0	1.26E-10	2.0	0.0)	1648.0	1.04E-10	1.0	0.0)
1650.0	8.29E-11	1.0	0.0)	1652.0	9.91E-11	1.0	0.0)	1654.0	1.26E-10	2.0	0.0)	1656.0	1.49E-10	1.0	0.0)	1658.0	1.61E-10	1.0	0.0)
1660.0	1.32E-10	1.0	0.0)	1662.0	1.23E-10	1.0	0.0)	1664.0	1.37E-10	3.0	0.0)	1666.0	1.35E-10	3.0	0.0)	1668.0	1.56E-10	3.0	0.0)
1670.0	1.38E-10	3.0	0.0)	1672.0	1.23E-10	3.0	0.0)	1674.0	1.52E-10	4.0	0.0)	1676.0	1.85E-10	6.0	0.0)	1678.0	1.82E-10	6.0	0.0)
1680.0	1.59E-10	5.0	0.0)	1682.0	1.55E-10	5.0	0.0)	1684.0	1.65E-10	6.0	0.0)	1686.0	1.78E-10	6.0	0.0)	1688.0	1.91E-10	7.0	0.0)
1690.0	1.99E-10	7.0	0.0)	1692.0	1.89E-10	7.0	0.0)	1694.0	1.86E-10	7.0	0.0)	1696.0	1.83E-10	7.0	0.0)	1698.0	1.66E-10	6.0	0.0)
1700.0	1.62E-10	6.0	0.0)	1702.0	1.69E-10	7.0	0.0)	1704.0	1.66E-10	7.0	0.0)	1706.0	1.53E-10	6.0	0.0)	1708.0	1.45E-10	6.0	0.0)
1710.0	1.52E-10	6.0	0.0)	1712.0	1.57E-10	6.0	0.0)	1714.0	1.47E-10	6.0	0.0)	1716.0	1.46E-10	7.0	0.0)	1718.0	1.55E-10	7.0	0.0)
1720.0	1.51E-10	7.0	0.0)	1722.0	1.42E-10	7.0	0.0)	1724.0	1.38E-10	6.0	0.0)	1726.0	1.27E-10	6.0	0.0)	1728.0	1.22E-10	6.0	0.0)
1730.0	1.32E-10	6.0	0.0)	1732.0	1.35E-10	7.0	0.0)	1734.0	1.40E-10	7.0	0.0)	1736.0	1.31E-10	6.0	0.0)	1738.0	1.25E-10	6.0	0.0)
1740.0	1.32E-10	6.0	0.0)	1742.0	1.33E-10	7.0	0.0)	1744.0	1.33E-10	7.0	0.0)	1746.0	1.31E-10	7.0	0.0)	1748.0	1.29E-10	7.0	0.0)
1750.0	1.33E-10	8.0	0.0)	1752.0	1.39E-10	9.0	0.0)	1754.0	1.42E-10	9.0	0.0)	1756.0	1.54E-10	10.0	0.0)	1758.0	1.65E-10	10.0	0.0)
1760.0	1.57E-10	10.0	0.0)	1762.0	1.45E-10	10.0	0.0)	1764.0	1.48E-10	10.0	0.0)	1766.0	1.61E-10	10.0	0.0)	1768.0	1.67E-10	10.0	0.0)
1770.0	1.65E-10	10.0	0.0)	1772.0	1.61E-10	10.0	0.0)	1774.0	1.56E-10	10.0	0.0)	1776.0	1.56E-10	10.0	0.0)	1778.0	1.55E-10	10.0	0.0)
1780.0	1.50E-10	10.0	0.0)	1782.0	1.46E-10	10.													

X,Y(MM) -6.0 12.9 SL3-208 20 SCANS, T= 225 DEL-1 TEL WT 1.0,SCALE 1.00

R = 1.15



HD 172167

ALF LYR

HD 172167

LAMBDA, F (WT, SIG)	F = AVE FLUX	FROM LAM-DEL/2 TO LAM+DEL/2	
1310U 2.31E-10(1.1 0.0)	1312U 3.74E-10(1.3 0.0)	1314, 1.25E-09(1.6 0.0)	1316, 1.86E-09(1.0 0.0)
1320, 2.16E-09(1.0 0.0)	1322, 2.16E-09(1.0 1.1)	1324, 2.06E-09(1.0 4.4)	1326, 2.01E-09(1.0 9.9)
1330, 1.90E-09(1.0 1.8)	1332, 1.97E-09(1.0 3.1)	1334, 1.67E-09(1.0 4.5)	1336U 1.11E-09(1.0 2.7)
1340, 2.00E-09(1.1 8.4)	1342, 2.20E-09(1.2 10.1)	1344, 2.17E-09(1.2 16.5)	1346, 2.12E-09(1.3 16.8)
1350, 2.10E-09(1.4 23.9)	1352, 2.26E-09(1.4 23.9)	1354, 2.06E-09(1.5 33.3)	1356, 1.69E-09(1.5 44.2)
1360, 2.28E-09(1.7 26.6)	1362, 2.42E-09(1.8 20.7)	1364, 2.03E-09(1.9 14.1)	1366, 1.93E-09(1.9 11.4)
1370, 3.16E-09(2.0 12.6)	1372, 3.27E-09(2.0 12.4)	1374, 3.43E-09(2.0 11.2)	1376, 3.47E-09(2.0 11.2)
1380, 3.51E-09(2.0 6.7)	1382, 3.47E-09(2.0 4.0)	1384, 3.58E-09(2.0 6.2)	1386, 3.63E-09(2.0 3.6)
1390, 3.67E-09(2.0 9.0)	1392, 3.86E-09(2.0 8.8)	1394, 3.87E-09(2.0 9.1)	1396, 3.74E-09(2.0 7.7)
1400, 3.69E-09(2.0 8.8)	1402, 3.71E-09(2.1 7.5)	1404, 3.79E-09(2.1 9.8)	1406, 3.87E-09(2.1 9.4)
1410, 4.11E-09(2.2 7.9)	1412, 3.93E-09(2.2 10.8)	1414, 3.97E-09(2.3 8.9)	1416, 4.26E-09(2.3 11.1)
1420, 4.22E-09(2.4 8.8)	1422, 4.27E-09(2.4 5.2)	1424, 4.43E-09(2.4 6.0)	1426, 4.40E-09(2.5 4.7)
1430, 4.59E-09(2.5 8.2)	1432, 4.42E-09(2.5 11.9)	1434, 4.02E-09(2.5 7.4)	1436, 3.96E-09(2.6 5.0)
1440, 4.31E-09(2.6 7.0)	1442, 4.48E-09(2.6 7.8)	1444, 4.35E-09(2.6 7.2)	1446, 4.38E-09(2.6 6.6)
1450, 4.86E-09(2.5 7.7)	1452, 4.87E-09(2.5 8.0)	1454, 4.86E-09(2.5 7.2)	1456, 4.81E-09(2.5 4.4)
1460, 4.74E-09(2.5 4.7)	1462, 4.46E-09(2.5 4.8)	1464, 4.57E-09(2.5 9.4)	1466, 4.53E-09(2.5 10.3)
1470, 4.38E-09(2.5 7.0)	1472, 4.22E-09(2.5 5.7)	1474, 4.08E-09(2.5 5.3)	1476, 4.11E-09(2.5 7.6)
1480, 4.30E-09(2.5 5.0)	1482, 4.35E-09(2.5 6.9)	1484, 4.26E-09(2.5 9.8)	1486, 4.12E-09(2.5 7.4)
1490, 4.53E-09(2.4 4.9)	1492, 4.66E-09(2.4 5.0)	1494, 4.49E-09(2.4 7.3)	1496, 4.52E-09(2.4 7.6)
1500, 4.72E-09(2.4 4.7)	1502, 4.80E-09(2.4 4.9)	1504, 4.95E-09(2.4 3.6)	1506, 4.87E-09(2.4 5.3)
1510, 4.50E-09(2.4 4.7)	1512, 4.35E-09(2.4 4.6)	1514, 4.25E-09(2.4 5.0)	1516, 4.28E-09(2.4 3.9)
1520, 4.40E-09(2.4 2.5)	1522, 4.50E-09(2.4 2.3)	1524, 4.50E-09(2.4 5.4)	1526, 4.42E-09(2.4 6.7)
1530, 4.15E-09(2.4 4.5)	1532, 4.26E-09(2.4 1.4)	1534, 4.22E-09(2.4 1.7)	1536, 4.12E-09(2.4 3.8)
1540, 4.09E-09(2.4 1.6)	1542, 4.38E-09(2.4 1.8)	1544, 4.47E-09(2.4 5.3)	1546, 4.35E-09(2.3 6.7)
1550, 4.34E-09(2.3 1.9)	1552, 4.12E-09(2.3 1.0)	1554, 4.14E-09(2.3 4.2)	1556, 4.21E-09(2.3 4.7)
1560, 3.98E-09(2.3 2.3)	1562, 3.95E-09(2.3 1.7)	1564, 3.91E-09(2.3 3.2)	1566, 3.87E-09(2.3 3.5)
1570, 4.04E-09(2.4 4.7)	1572, 4.08E-09(2.4 4.9)	1574, 4.03E-09(2.4 3.6)	1576, 4.02E-09(2.4 4.0)
1580, 4.03E-09(2.2 9.9)	1582, 4.03E-09(2.2 1.8)	1584, 4.20E-09(2.2 7.7)	1586, 4.26E-09(2.2 1.2)
1590, 4.18E-09(2.2 7.5)	1592, 4.11E-09(2.2 5.9)	1594, 4.13E-09(2.2 6.6)	1596, 4.05E-09(2.2 6.0)
1600, 3.96E-09(2.2 2.4)	1602, 4.02E-09(2.2 6.0)	1604, 4.05E-09(2.2 4.0)	1606, 4.11E-09(2.2 3.2)
1610, 4.03E-09(2.2 4.2)	1612, 4.07E-09(2.2 5.2)	1614, 4.10E-09(2.1 4.1)	1616, 4.07E-09(2.1 3.8)
1620, 3.98E-09(2.1 1.0)	1622, 3.96E-09(2.1 1.8)	1624, 3.97E-09(2.1 4.3)	1626, 4.05E-09(2.1 3.5)
1630, 4.06E-09(2.1 2.4)	1632, 3.97E-09(2.1 3.0)	1634, 3.91E-09(2.1 2.6)	1636, 3.95E-09(2.1 1.0)
1640, 4.11E-09(2.1 1.3)	1642, 4.14E-09(2.0 1.6)	1644, 4.13E-09(2.0 2.1)	1646, 4.16E-09(2.0 2.5)
1650, 4.33E-09(2.1 1.5)	1652, 4.30E-09(2.1 1.7)	1654, 4.30E-09(2.0 2.2)	1656, 4.19E-09(2.1 2.6)
1660, 4.08E-09(2.0 3.2)	1662, 4.10E-09(2.0 1.9)	1664, 4.08E-09(2.0 2.1)	1666, 4.10E-09(2.0 1.5)
1670, 4.42E-09(2.0 4.8)	1672, 4.31E-09(2.0 7.3)	1674, 4.31E-09(1.9 8.5)	1676, 4.40E-09(1.9 6.5)
1680, 4.46E-09(1.8 8.8)	1682, 4.52E-09(1.8 2.3)	1684, 4.60E-09(1.8 4.2)	1686, 4.68E-09(1.8 6.1)
1690, 4.80E-09(1.7 5.6)	1692, 4.77E-09(1.7 4.4)	1694, 4.74E-09(1.7 6.4)	1696, 4.71E-09(1.7 8.5)
1700, 4.64E-09(1.6 7.6)	1702, 4.66E-09(1.6 7.3)	1704, 4.66E-09(1.6 7.5)	1706, 4.62E-09(1.6 7.6)
1710, 4.61E-09(1.6 6.0)	1712, 4.47E-09(1.6 2.4)	1714, 4.46E-09(1.5 1.6)	1716, 4.55E-09(1.5 2.5)
1720, 4.52E-09(1.5 7.7)	1722, 4.47E-09(1.5 1.6)	1724, 4.45E-09(1.5 2.1)	1726, 4.49E-09(1.4 2.0)
1730, 4.12E-09(1.5 1.5)	1732, 4.24E-09(1.5 1.6)	1734, 4.41E-09(1.4 2.1)	1736, 4.43E-09(1.4 1.0)
1740, 4.48E-09(1.4 3.3)	1742, 4.57E-09(1.4 6.1)	1744, 4.53E-09(1.4 9.2)	1746, 4.49E-09(1.4 12.2)
1750, 4.23E-09(1.4 10.2)	1752, 4.08E-09(1.4 9.4)	1754, 4.07E-09(1.4 10.5)	1756, 4.13E-09(1.4 10.5)
1760, 4.25E-09(1.3 4.2)	1762, 4.28E-09(1.3 3.3)	1764, 4.26E-09(1.3 5.2)	1766, 4.21E-09(1.3 6.4)
1770, 4.17E-09(1.3 4.0)	1772, 4.14E-09(1.3 2.6)	1774, 4.08E-09(1.3 2.0)	1776, 4.03E-09(1.3 2.6)
1780, 4.12E-09(1.2 4.1)	1782, 4.19E-09(1.2 4.8)	1784, 4.20E-09(1.2 4.9)	1786, 4.15E-09(1.2 3.9)
1790, 4.14E-09(1.2 2.3)	1792, 4.13E-09(1.2 1.6)	1794, 4.15E-09(1.2 2.2)	1796, 4.20E-09(1.2 3.3)
1800, 4.17E-09(1.1 1.0)	1802, 4.13E-09(1.1 1.7)	1804, 4.14E-09(1.1 1.3)	1806, 4.18E-09(1.1 9.9)
1810, 4.16E-09(1.1 3.7)	1812, 4.09E-09(1.1 5.0)	1814, 3.97E-09(1.1 4.5)	1816, 3.84E-09(1.1 3.0)
1820, 3.85E-09(1.1 7.7)	1822, 3.95E-09(1.1 1.1)	1824, 4.00E-09(1.1 6.6)	1826, 3.99E-09(1.1 2.2)
1800, 4.18E-09(1.1 9.9)	1805, 4.16E-09(1.1 1.2)	1810, 4.16E-09(1.1 3.6)	1815, 3.91E-09(1.1 3.7)
1825, 3.99E-09(1.1 2.2)	1830, 4.10E-09(1.1 4.3)	1835, 4.14E-09(1.0 3.5)	1840, 3.95E-09(1.0 5.2)
1850, 3.88E-09(1.0 4.4)	1855, 3.67E-09(1.0 1.0)	1860, 3.80E-09(1.0 4.2)	1865, 3.74E-09(1.0 3.3)
1875, 3.88E-09(1.0 3.4)	1880, 3.85E-09(1.0 3.1)	1885, 3.86E-09(1.0 8.1)	1890, 3.92E-09(1.0 3.2)
1900, 3.61E-09(1.0 8.8)	1905, 3.61E-09(1.0 8.4)	1910, 3.47E-09(1.0 8.6)	1915, 3.36E-09(1.0 7.8)
1925, 3.41E-09(1.0 7.2)	1930, 3.37E-09(1.0 7.8)	1935, 3.26E-09(1.0 7.8)	1940, 3.07E-09(1.0 6.9)
1950, 3.05E-09(1.0 8.8)	1955, 3.09E-09(1.0 8.9)	1960, 3.23E-09(1.0 6.5)	1965, 3.24E-09(1.0 6.3)
1975, 2.85E-09(1.0 5.0)	1980, 2.86E-09(1.0 5.0)	1985, 2.83E-09(1.0 5.0)	1990, 2.68E-09(1.0 5.0)
2000, 2.69E-09(1.0 5.0)	2005, 2.66E-09(1.0 5.0)	2010, 2.65E-09(1.0 5.0)	2015, 2.66E-09(1.0 5.0)
2025E 2.64E-09(1.0 5.0)	2030, 2.53E-09(1.0 5.0)	2035, 2.49E-09(1.0 5.0)	2040, 2.40E-09(1.0 5.0)
2050E 2.24E-09(1.0 5.0)	2055, 2.31E-09(1.0 5.0)	2060E 2.34E-09(1.0 5.0)	2065E 2.26E-09(1.0 5.0)
2075E 2.10E-09(1.0 5.0)	2080E 2.13E-09(1.0 5.0)	2085E 2.11E-09(1.0 5.0)	2090E 2.02E-09(1.0 5.0)
2100E 2.03E-09(1.0 5.0)	2105E 2.04E-09(1.0 5.0)	2110E 1.95E-09(1.0 5.0)	2115E 1.87E-09(1.0 5.0)
2125E 1.91E-09(1.0 5.0)	2130E 1.95E-09(1.0 5.0)	2135E 1.96E-09(1.0 5.0)	2140E 1.89E-09(1.0 5.0)
2150E 1.70E-09(1.0 5.0)	2155E 1.72E-09(1.0 5.0)	2160E 1.76E-09(1.0 5.0)	2165E 1.79E-09(1.0 5.0)
2175E 1.79E-09(1.0 5.0)	2180E 1.77E-09(1.0 5.0)	2185E 1.76E-09(1.0 5.0)	2190E 1.75E-09(1.0 5.0)
2200E 1.78E-09(1.0 5.0)	2205E 1.84E-09(1.0 5.0)	2210E 1.88E-09(1.0 5.0)	2215E 1.87E-09(1.0 5.0)
2225E 1.78E-09(1.0 5.0)	2230E 1.72E-09(1.0 5.0)	2235E 1.69E-09(1.0 5.0)	2240E 1.69E-09(1.0 5.0)
2250E 1.63E-09(1.0 5.0)	2255E 1.59E-09(1.0 5.0)	2260E 1.58E-09(1.0 5.0)	2265E 1.60E-09(1.0 5.0)
2275E 1.70E-09(1.0 5.0)	2280E 1.70E-09(1.0 5.0)	2285E 1.62E-09(1.0 5.0)	2290E 1.51E-09(1.0 5.0)
135, .56(1.5 26.3)	139, -.03(2.0 6.1)	148, -.19(2.5 6.1)	154, -.17(2.4 2.9)
166, -.19(1.9 3.0)	172, -.22(1.5 5.5)	181, -.12(1.1 1.2)	192E, .07(7.5 7.7)
219E, .79(1.3 0.0)	245, 0.00(0.0 0.0)	280, 0.00(0.0 0.0)	360, 0.00(0.0 0.0)

X,Y(MM) -1.1 -3.3 SL3- 24 20 SCANS, T= 227 ALF LYR WT 1.0, SCALE .87  
X,Y(MM) -1.1 -3.3 SL3- 25 25 SCANS, T= 78 ALF LYR WT 1.0, SCALE 1.06  
X,Y(MM) -1.1 -3.3 SL3- 26 22 SCANS, T= 28 ALF LYR WT 1.0, SCALE 1.00

R = 1.32

R = .<1.00>

LAMBDA	F	( WT. )	SIG	F = AVE FLUX	FROM LAM-DEL/2	TO LAM-DEL/2	F = AVE FLUX	FROM LAM-DEL/2	TO LAM-DEL/2		
1900	0.	( 0.0	0.0 )	1905.	0.	( 0.0	0.0 )	1910	0.	( 0.0	0.0 )
1905.	1.82E-11	( 5.0	0.0 )	1930.	1.94E-11	( 5.0	0.0 )	1940.	1.96E-11	( 5.0	0.0 )
1910.	1.82E-11	( 5.0	0.0 )	1955.	1.97E-11	( 6.0	0.0 )	1965.	1.95E-11	( 6.0	0.0 )
1915.	2.41E-11	( 9.0	0.0 )	1980.	2.61E-11	( 9.0	0.0 )	1990.	2.36E-11	( 9.0	0.0 )
2000.	2.19E-11	( 1.0	4.6 )	2005.	1.92E-11	( 1.0	4.6 )	2010.	1.94E-11	( 1.0	4.6 )
2025.	1.94E-11	( 1.2	2.2 )	2030.	2.10E-11	( 1.2	2.2 )	2035.	2.07E-11	( 1.3	2.0 )
2040.	2.08E-11	( 2.0	2.9 )	2045.	2.09E-11	( 1.4	5.8 )	2050.	2.57E-11	( 1.5	4.4 )
2075.	2.08E-11	( 5.0	2.2 )	2080.	2.08E-11	( 1.6	1.6 )	2085.	2.07E-11	( 1.7	2.9 )
2100.	2.78E-11	( 1.7	3.3 )	2105.	2.71E-11	( 1.7	4.8 )	2110.	2.70E-11	( 1.7	3.5 )
2125.	2.42E-11	( 1.8	6.6 )	2130.	2.44E-11	( 1.8	6.4 )	2135.	2.48E-11	( 1.8	4.0 )
2150.	2.46E-11	( 1.9	1.2 )	2155.	2.50E-11	( 1.9	3.6 )	2160.	2.47E-11	( 1.9	5.6 )
2175.	2.34E-11	( 2.0	2.5 )	2180.	2.33E-11	( 2.0	3.3 )	2185.	2.38E-11	( 2.0	5.5 )
2200.	2.52E-11	( 2.0	12.9 )	2205.	2.51E-11	( 2.1	9.0 )	2210.	2.50E-11	( 2.2	4.3 )
2225.	2.39E-11	( 2.3	7.3 )	2230.	2.33E-11	( 2.3	3.0 )	2235.	2.35E-11	( 2.3	7.2 )
2250.	2.41E-11	( 2.2	7.3 )	2255.	2.35E-11	( 2.3	3.0 )	2260.	2.32E-11	( 2.5	1.0 )
2275.	2.37E-11	( 2.5	3.2 )	2280.	2.38E-11	( 2.5	2.0 )	2285.	2.41E-11	( 2.6	4.0 )
2300.	2.34E-11	( 2.6	7.1 )	2305.	2.33E-11	( 2.6	6.8 )	2310.	2.28E-11	( 2.6	5.3 )
2330.	2.35E-11	( 2.6	6.8 )	2310.	2.28E-11	( 2.6	5.7 )	2320.	2.09E-11	( 2.4	8.9 )
2350.	1.95E-11	( 2.4	9.4 )	2360.	1.85E-11	( 2.5	3.1 )	2370.	1.86E-11	( 2.6	5.1 )
2400.	2.20E-11	( 2.5	5.1 )	2410.	2.46E-11	( 2.5	6.1 )	2420.	2.42E-11	( 2.5	5.2 )
2450.	2.20E-11	( 2.5	5.1 )	2460.	2.30E-11	( 2.5	6.2 )	2470.	2.33E-11	( 2.5	2.7 )
2500.	2.40E-11	( 2.4	2.2 )	2510.	2.38E-11	( 2.4	2.2 )	2520.	2.31E-11	( 2.4	5.2 )
2550.	2.34E-11	( 2.4	4.3 )	2560.	2.45E-11	( 2.4	5.0 )	2570.	2.51E-11	( 2.4	4.3 )
2600.	2.73E-11	( 2.3	1.4 )	2610.	2.90E-11	( 2.2	1.9 )	2620.	3.10E-11	( 2.2	4.2 )
2650.	3.36E-11	( 2.1	4.0 )	2660.	3.51E-11	( 2.0	3.2 )	2670.	3.64E-11	( 2.0	1.6 )
2700.	3.93E-11	( 1.9	2.3 )	2710.	3.98E-11	( 1.9	1.9 )	2720.	3.97E-11	( 1.9	1.9 )
2750.	3.91E-11	( 1.9	2.3 )	2760.	3.90E-11	( 1.9	1.9 )	2770.	3.84E-11	( 1.9	3.3 )
2800.	3.93E-11	( 1.8	4.4 )	2810.	4.08E-11	( 1.8	4.2 )	2820.	4.21E-11	( 1.8	3.9 )
2850.	4.44E-11	( 1.7	4.4 )	2860.	4.57E-11	( 1.7	4.2 )	2870.	4.68E-11	( 1.7	3.3 )
2900.	5.09E-11	( 1.6	3.9 )	2910.	5.28E-11	( 1.6	3.6 )	2920.	5.44E-11	( 1.5	3.2 )
2950.	5.62E-11	( 1.5	2.5 )	2960.	5.73E-11	( 1.5	3.4 )	2970.	5.88E-11	( 1.4	6.8 )
3000.	6.22E-11	( 1.4	11.7 )	3010.	6.27E-11	( 1.4	9.2 )	3020.	6.39E-11	( 1.4	6.6 )

X, Y (MM)	-15.4	6.0	SL3- 24	15 SCANS, T= 227	ZET LYR	WT	.9, SCALE	.85
X, Y (MM)	1.1	18.5	SL3-167	18 SCANS, T= 220	ZET LYR	WT	.9, SCALE	.90
X, Y (MM)	-15.4	6.0	SL3- 25	15 SCANS, T= 78	ZET LYR	WT	.9, SCALE	1.30

R. = 1.32

$R = 0.93$

R = 1.26+-

**R = 1.20**





LAMBDA, F (WT, SIG)

F = AVE FLUX FROM LAM-DEL/2 TO LAM+DEL/2

1500U	3.45E-10	(.2 0.0)	1502U	4.26E-10	(.3 0.0)	1504U	4.18E-10	(.3 0.0)	1506U	5.18E-10	(.4 0.0)	1508U	5.18E-10	(.4 0.0)
1510U	4.41E-10	(.3 0.0)	1512U	3.22E-10	(.3 0.0)	1514U	3.77E-10	(.3 0.0)	1516U	5.67E-10	(.4 0.0)	1518U	4.70E-10	(.6 0.0)
1520U	5.02E-10	(.6 0.0)	1522U	6.48E-10	(.7 0.0)	1524U	6.02E-10	(.6 0.0)	1526U	4.09E-10	(.5 0.0)	1528U	3.83E-10	(.5 0.0)
1530U	4.59E-10	(.5 0.0)	1532U	4.72E-10	(.6 0.0)	1534U	4.80E-10	(.6 0.0)	1536U	4.67E-10	(.5 0.0)	1538U	3.57E-10	(.5 0.0)
1540U	4.01E-10	(.5 0.0)	1542U	4.85E-10	(.7 0.0)	1544U	5.50E-10	(.9 0.0)	1546U	7.11E-10	(.9 0.0)	1548U	7.55E-10	(.9 0.0)
1550U	7.80E-10	(.9 0.0)	1552U	7.55E-10	(.9 0.0)	1554U	6.60E-10	(.9 0.0)	1556U	5.56E-10	(.9 0.0)	1558U	4.48E-10	(.8 0.0)
1560U	4.41E-10	(.7 0.0)	1562U	3.65E-10	(.6 0.0)	1564U	2.96E-10	(.5 0.0)	1566U	3.10E-10	(.5 0.0)	1568U	3.12E-10	(.4 0.0)
1570U	2.69E-10	(.5 0.0)	1572U	3.14E-10	(.6 0.0)	1574U	4.37E-10	(.9 0.0)	1576U	5.22E-10	(.9 0.0)	1578U	5.40E-10	(.9 0.0)
1580U	4.96E-10	(.9 0.0)	1582U	5.21E-10	(.9 0.0)	1584U	5.34E-10	(.9 0.0)	1586U	5.14E-10	(.9 0.0)	1588U	4.84E-10	(.9 0.0)
1590U	5.23E-10	(.9 0.0)	1592U	5.34E-10	(.9 0.0)	1594U	5.49E-10	(.9 0.0)	1596U	5.38E-10	(.9 0.0)	1598U	5.59E-10	(.9 0.0)
1600U	6.09E-10	(.9 0.0)	1602U	5.35E-10	(.9 0.0)	1604U	5.03E-10	(.9 0.0)	1606U	5.48E-10	(.9 0.0)	1608U	5.87E-10	(.9 0.0)
1610U	5.35E-10	(.9 0.0)	1612U	5.00E-10	(.9 0.0)	1614U	5.63E-10	(.9 0.0)	1616U	6.06E-10	(.9 0.0)	1618U	6.23E-10	(.9 0.0)
1620U	5.69E-10	(.9 0.0)	1622U	5.04E-10	(.9 0.0)	1624U	5.32E-10	(.9 0.0)	1626U	5.71E-10	(.9 0.0)	1628U	5.56E-10	(.9 0.0)
1630U	5.51E-10	(.9 0.0)	1632U	5.23E-10	(.9 0.0)	1634U	5.13E-10	(.9 0.0)	1636U	4.89E-10	(.9 0.0)	1638U	4.17E-10	(.9 0.0)
1640U	3.88E-10	(.9 0.0)	1642U	4.04E-10	(.9 0.0)	1644U	4.17E-10	(.9 0.0)	1646U	4.61E-10	(.9 0.0)	1648U	5.07E-10	(.9 0.0)
1650U	5.11E-10	(.9 0.0)	1652U	5.24E-10	(.9 0.0)	1654U	5.44E-10	(.9 0.0)	1656U	5.33E-10	(.9 0.0)	1658U	5.23E-10	(.9 0.0)
1660U	5.22E-10	(.9 0.0)	1662U	5.22E-10	(.9 0.0)	1664U	5.36E-10	(.9 0.0)	1666U	5.79E-10	(.9 0.0)	1668U	6.16E-10	(.9 0.0)
1670U	6.29E-10	(.9 0.0)	1672U	6.27E-10	(.9 0.0)	1674U	6.26E-10	(.9 0.0)	1676U	6.20E-10	(.9 0.0)	1678U	6.23E-10	(.9 0.0)
1680U	6.21E-10	(.9 0.0)	1682U	6.32E-10	(.9 0.0)	1684U	6.79E-10	(.9 0.0)	1686U	7.49E-10	(.9 0.0)	1688U	7.97E-10	(.9 0.0)
1690U	8.20E-10	(.9 0.0)	1692U	8.04E-10	(.9 0.0)	1694U	7.84E-10	(.9 0.0)	1696U	7.96E-10	(.9 0.0)	1698U	8.12E-10	(.9 0.0)
1700U	8.10E-10	(.9 0.0)	1702U	8.18E-10	(.9 0.0)	1704U	8.63E-10	(.8 0.0)	1706U	9.02E-10	(.8 0.0)	1708U	8.91E-10	(.8 0.0)
1710U	8.61E-10	(.8 0.0)	1712U	8.75E-10	(.8 0.0)	1714U	9.17E-10	(.8 0.0)	1716U	9.51E-10	(.8 0.0)	1718U	9.48E-10	(.8 0.0)
1720U	9.05E-10	(.8 0.0)	1722U	8.25E-10	(.8 0.0)	1724U	7.98E-10	(.8 0.0)	1726U	8.30E-10	(.8 0.0)	1728U	8.63E-10	(.8 0.0)
1730U	8.54E-10	(.8 0.0)	1732U	8.55E-10	(.8 0.0)	1734U	8.98E-10	(.7 0.0)	1736U	9.44E-10	(.7 0.0)	1738U	9.86E-10	(.7 0.0)
1740U	1.03E-09	(.7 0.0)	1742U	1.09E-09	(.7 0.0)	1744U	1.11E-09	(.7 0.0)	1746U	1.07E-09	(.7 0.0)	1748U	1.04E-09	(.7 0.0)
1750U	0.01E-09	(.7 0.0)	1752U	9.26E-10	(.7 0.0)	1754U	8.37E-10	(.7 0.0)	1756U	7.97E-10	(.7 0.0)	1758U	7.97E-10	(.7 0.0)
1760U	8.68E-10	(.7 0.0)	1762U	9.08E-10	(.7 0.0)	1764U	9.14E-10	(.7 0.0)	1766U	9.38E-10	(.6 0.0)	1768U	9.73E-10	(.6 0.0)
1770U	9.63E-10	(.6 0.0)	1772U	9.37E-10	(.6 0.0)	1774U	9.02E-10	(.6 0.0)	1776U	8.92E-10	(.6 0.0)	1778U	9.06E-10	(.6 0.0)
1780U	9.09E-10	(.6 0.0)	1782U	9.38E-10	(.6 0.0)	1784U	9.55E-10	(.6 0.0)	1786U	9.96E-10	(.6 0.0)	1788U	9.88E-10	(.6 0.0)
1790U	9.44E-10	(.6 0.0)	1792U	8.54E-10	(.6 0.0)	1794U	8.00E-10	(.6 0.0)	1796U	7.85E-10	(.6 0.0)	1798U	7.75E-10	(.6 0.0)
1800U	7.95E-10	(.6 0.0)	1802U	8.08E-10	(.6 0.0)	1804U	8.57E-10	(.6 0.0)	1806U	8.77E-10	(.6 0.0)	1808U	9.04E-10	(.6 0.0)
1810U	9.91E-10	(.5 0.0)	1812U	1.07E-09	(.5 0.0)	1814U	1.07E-09	(.5 0.0)	1816U	1.06E-09	(.5 0.0)	1818U	1.07E-09	(.5 0.0)
1820U	1.07E-09	(.5 0.0)	1822U	1.09E-09	(.5 0.0)	1824U	1.06E-09	(.5 0.0)	1826U	1.07E-09	(.5 0.0)	1828U	0.0	(.0 0.0)
1800U	7.86E-10	(.6 0.0)	1805U	8.46E-10	(.6 0.0)	1810U	1.00E-09	(.6 0.0)	1815U	1.08E-09	(.5 0.0)	1820U	1.06E-09	(.5 0.0)
1825U	1.06E-09	(.5 0.0)	1830U	1.04E-09	(.5 0.0)	1835U	1.07E-09	(.4 0.0)	1840U	1.24E-09	(.4 0.0)	1845U	1.63E-09	(.4 0.0)
1850U	1.72E-09	(.3 0.0)	1855U	1.65E-09	(.3 0.0)	1860U	1.58E-09	(.3 0.0)	1865U	1.35E-09	(.4 0.0)	1870U	1.25E-09	(.4 0.0)
1875U	1.40E-09	(.3 0.0)	1880U	1.57E-09	(.3 0.0)	1885U	1.92E-09	(.3 0.0)	1890U	2.09E-09	(.3 0.0)	1895U	1.88E-09	(.3 0.0)
1900U	1.58E-09	(.3 0.0)	1905U	1.44E-09	(.3 0.0)	1910U	1.43E-09	(.3 0.0)	1915U	1.37E-09	(.3 0.0)	1920U	1.37E-09	(.3 0.0)
1925U	1.33E-09	(.3 0.0)	1930U	1.30E-09	(.3 0.0)	1935U	1.21E-09	(.3 0.0)	1940U	1.21E-09	(.3 0.0)	1945U	1.18E-09	(.3 0.0)
1950U	1.14E-09	(.3 0.0)	1955U	1.06E-09	(.3 0.0)	1960U	9.83E-10	(.3 0.0)	1965U	9.65E-10	(.3 0.0)	1970U	1.03E-09	(.3 0.0)
1975U	1.08E-09	(.2 0.0)	1980U	1.22E-09	(.2 0.0)	1985U	1.27E-09	(.2 0.0)	1990U	1.25E-09	(.2 0.0)	1995U	1.11E-09	(.2 0.0)
2000U	8.91E-10	(.2 0.0)	2005U	7.86E-10	(.3 0.0)	2010U	8.09E-10	(.3 0.0)	2015U	8.62E-10	(.3 0.0)	2020U	8.60E-10	(.2 0.0)
2025U	9.22E-10	(.2 0.0)	2030U	1.08E-09	(.2 0.0)	2035U	1.19E-09	(.2 0.0)	2040U	1.22E-09	(.2 0.0)	2045U	1.27E-09	(.1 0.0)
2050U	1.38E-09	(.1 0.0)	2055U	1.54E-09	(.1 0.0)	2060U	1.71E-09	(.1 0.0)	2065U	2.02E-09	(.1 0.0)	2070U	2.29E-09	(.1 0.0)
2075U	2.17E-09	(.1 0.0)	2080U	1.92E-09	(.1 0.0)	2085U	1.63E-09	(.1 0.0)	2090U	1.36E-09	(.1 0.0)	2095U	1.21E-09	(.1 0.0)
2100U	1.07E-09	(.1 0.0)	2105U	9.02E-10	(.1 0.0)	2110U	8.18E-10	(.1 0.0)	2115U	7.92E-10	(.1 0.0)	2120U	7.99E-10	(.1 0.0)
2125U	9.11E-10	(.1 0.0)	2130U	1.04E-09	(.1 0.0)	2135U	9.04E-10	(.1 0.0)	2140U	9.18E-10	(.1 0.0)	2145U	7.56E-10	(.1 0.0)
2150U	6.30E-10	(.1 0.0)	2155U	6.10E-10	(.1 0.0)	2160U	6.73E-10	(.1 0.0)	2165U	7.31E-10	(.1 0.0)	2170U	7.01E-10	(.1 0.0)
2175U	6.48E-10	(.1 0.0)	2180U	6.12E-10	(.1 0.0)	2185U	5.80E-10	(.1 0.0)	2190U	5.69E-10	(.1 0.0)	2195U	5.93E-10	(.1 0.0)
2200U	6.43E-10	(.1 0.0)	2205U	7.02E-10	(.1 0.0)	2210U	7.48E-10	(.1 0.0)	2215U	7.37E-10	(.1 0.0)	2220U	6.88E-10	(.1 0.0)
2225U	6.42E-10	(.1 0.0)	2230U	6.28E-10	(.1 0.0)	2235U	6.33E-10	(.1 0.0)	2240U	6.21E-10	(.1 0.0)	2245U	6.09E-10	(.1 0.0)
2250U	6.15E-10	(.1 0.0)	2255U	6.21E-10	(.1 0.0)	2260U	6.07E-10	(.1 0.0)	2265U	5.80E-10	(.1 0.0)	2270U	5.85E-10	(.1 0.0)
2275U	6.21E-10	(.1 0.0)	2280U	6.67E-10	(.1 0.0)	2285U	6.93E-10	(.1 0.0)	2290U	6.77E-10	(.1 0.0)	2295U	6.29E-10	(.1 0.0)
2300U	5.62E-10	(.1 0.0)	2305U	5.22E-10	(.1 0.0)	2310U	5.04E-10	(.1 0.0)	2315U	4.90E-10	(.1 0.0)	2320U	0.0	(.0 0.0)
2300U	5.53E-10	(.1 0.0)	2310U	5.02E-10	(.1 0.0)	2320U	4.43E-10	(.1 0.0)	2330U	3.69E-10	(.1 0.0)	2340U	3.74E-10	(.1 0.0)
2350U	4.16E-10	(.1 0.0)	2360U	4.44E-10	(.1 0.0)	2370U	4.79E-10	(.1 0.0)	2380U	5.21E-10	(.1 0.0)	2390U	5.22E-10	(.1 0.0)
2400U	5.18E-10	(.1 0.0)	2410U	5.20E-10	(.1 0.0)	2420U	5.21E-10	(.1 0.0)	2430U	4.86E-10	(.1 0.0)	2440U	4.56E-10	(.1 0.0)
2450U	4.54E-10	(.1 0.0)	2460U	4.67E-10	(.1 0.0)	2470U	4.73E-10	(.1 0.0)	2480U	4.74E-10	(.1 0.0)	2490U	5.07E-10	(.1 0.0)
2500U	5.15E-10	(.1 0.0)	2510U	4.81E-10	(.1 0.0)	2520U	5.04E-10	(.1 0.0)	2530U	5.74E-10	(.1 0.0)	2540U	6.40E-10	(.1 0.0)

135,	0.00(0.0 0.0)	139,	0.00(0.0 0.0)	148,	0.00(0.0 0.0)	154,	2.06(.7 0.0)	161,	2.06(.9 0.0)
166,	1.99(.9 0.0)	172,	1.52(.8 0.0)	181,	1.38(.6 0.0)	192E,	1.07(.3 0.0)	204E,	1.12(.2 0.0)
219E,	1.80(.1 0.0)	245,	0.00(0.0 0.0)	280,	0.00(0.0 0.0)	360,	0.00(0.0 0.0)	0,	0.00(0.0 0.0)

X,Y(MM) -5.4 .2 SL3-263 16 SCANS, T= 232 BET LYR WT .9,SCALE 1.00

R = &lt;1.00&gt;

HD 174959

HR 7115

HD 174959

LAMBDA	F	(WT, SIG)	F - AVE FLUX FROM LAM-DEL/2 TO LAM+DEL/2
1660U	5.52E-11	(.3 0.0)	1666U 5.41E-11 (.3 0.0)
1670U	5.03E-11	(.4 0.0)	1676U 6.87E-11 (.6 0.0)
1680U	6.97E-11	(.7 0.0)	1686U 5.49E-11 (.6 0.0)
1690U	4.40E-11	(.4 0.0)	1696U 7.24E-11 (.9 0.0)
1700U	8.02E-11	(.9 0.0)	1706U 7.55E-11 (.9 0.0)
1710U	7.18E-11	(.9 0.0)	1716U 6.69E-11 (.9 0.0)
1720U	5.76E-11	(.8 0.0)	1726U 5.79E-11 (.9 0.0)
1730U	5.24E-11	(.8 0.0)	1736U 5.93E-11 (.9 0.0)
1740U	6.62E-11	(.9 0.0)	1746U 7.32E-11 (.9 0.0)
1750U	6.83E-11	(.9 0.0)	1756U 6.96E-11 (.9 0.0)
1760U	6.77E-11	(.9 0.0)	1766U 6.64E-11 (.9 0.0)
1770U	6.91E-11	(.9 0.0)	1776U 6.91E-11 (.9 0.0)
1780U	7.29E-11	(.9 0.0)	1786U 7.85E-11 (.9 0.0)
1790U	7.71E-11	(.9 0.0)	1796U 8.76E-11 (.9 0.0)
1800U	7.91E-11	(.9 0.0)	1806U 8.09E-11 (.9 0.0)
1810U	7.75E-11	(.9 0.0)	1816U 8.77E-11 (.9 0.0)
1820U	8.24E-11	(.9 0.0)	1826U 8.06E-11 (.9 0.0)
1830U	7.89E-11	(.9 0.0)	1836U 8.58E-11 (.9 0.0)
1840U	7.87E-11	(.9 0.0)	1846U 8.24E-11 (.9 0.0)
1850U	8.27E-11	(.9 0.0)	1856U 7.26E-11 (.9 0.0)
1860U	6.83E-11	(.9 0.0)	1866U 6.77E-11 (.9 0.0)
1870U	6.22E-11	(.9 0.0)	1876U 6.12E-11 (.9 0.0)
1880U	6.66E-11	(.9 0.0)	1886U 6.37E-11 (.9 0.0)
1890U	5.18E-11	(.9 0.0)	1896U 6.54E-11 (.9 0.0)
1900U	6.31E-11	(.9 0.0)	1906U 6.51E-11 (.9 0.0)
1910U	6.67E-11	(.9 0.0)	1916U 6.08E-11 (.8 0.0)
1920U	6.25E-11	(.8 0.0)	1926U 5.86E-11 (.8 0.0)
1930U	6.09E-11	(.8 0.0)	1936U 6.28E-11 (.7 0.0)
1940U	5.96E-11	(.7 0.0)	1946U 6.00E-11 (.7 0.0)
1950U	5.82E-11	(.7 0.0)	1956U 5.48E-11 (.7 0.0)
1960U	5.90E-11	(.7 0.0)	1966U 5.62E-11 (.7 0.0)
1970U	5.20E-11	(.7 0.0)	1976U 5.39E-11 (.6 0.0)
1980U	6.00E-11	(.6 0.0)	1986U 6.13E-11 (.6 0.0)
1990U	5.55E-11	(.6 0.0)	1996U 6.47E-11 (.5 0.0)
2000U	6.16E-11	(.5 0.0)	2006U 5.62E-11 (.5 0.0)
2010U	5.56E-11	(.5 0.0)	2016U 5.78E-11 (.5 0.0)
2020U	5.79E-11	(.5 0.0)	2026U 6.42E-11 (.5 0.0)
2030U	5.81E-11	(.5 0.0)	2036U 5.85E-11 (.5 0.0)
2040U	5.60E-11	(.5 0.0)	2046U 5.49E-11 (.5 0.0)
2050U	5.52E-11	(.4 0.0)	2056U 6.11E-11 (.4 0.0)
2060U	6.22E-11	(.4 0.0)	2066U 5.99E-11 (.4 0.0)
2070U	5.29E-11	(.4 0.0)	2076U 5.15E-11 (.4 0.0)
2080U	5.46E-11	(.4 0.0)	2086U 5.61E-11 (.3 0.0)
2090U	6.12E-11	(.3 0.0)	2096U 6.10E-11 (.3 0.0)
2100U	5.86E-11	(.3 0.0)	2106U 5.53E-11 (.3 0.0)
2110U	5.68E-11	(.3 0.0)	2116U 5.67E-11 (.3 0.0)
2120U	5.61E-11	(.3 0.0)	2126U 5.42E-11 (.3 0.0)
2130U	5.09E-11	(.3 0.0)	2136U 5.72E-11 (.3 0.0)
2140U	6.28E-11	(.2 0.0)	2146U 5.63E-11 (.2 0.0)
2150U	5.07E-11	(.2 0.0)	2156U 5.59E-11 (.2 0.0)
2160U	5.83E-11	(.2 0.0)	2166U 6.09E-11 (.2 0.0)
2170U	0.00(0.0 0.0)		2176U 0.00(0.0 0.0)
2180U	0.00(0.0 0.0)		2186U 4.38( .9 0.0)
2190U	4.49( .6 0.0)		2196U 0.00(0.0 0.0)
2200U	0.00(0.0 0.0)		2206U 0.00(0.0 0.0)
2210U	0.00(0.0 0.0)		2216U 0.00(0.0 0.0)
2220U	0.00(0.0 0.0)		2226U 0.00(0.0 0.0)
2230U	0.00(0.0 0.0)		2236U 0.00(0.0 0.0)
2240U	0.00(0.0 0.0)		2246U 0.00(0.0 0.0)
2250U	0.00(0.0 0.0)		2256U 0.00(0.0 0.0)
2260U	0.00(0.0 0.0)		2266U 0.00(0.0 0.0)
2270U	0.00(0.0 0.0)		2276U 0.00(0.0 0.0)
2280U	0.00(0.0 0.0)		2286U 0.00(0.0 0.0)
2290U	0.00(0.0 0.0)		2296U 0.00(0.0 0.0)
2300U	0.00(0.0 0.0)		2306U 0.00(0.0 0.0)
2310U	0.00(0.0 0.0)		2316U 0.00(0.0 0.0)
2320U	0.00(0.0 0.0)		2326U 0.00(0.0 0.0)
2330U	0.00(0.0 0.0)		2336U 0.00(0.0 0.0)
2340U	0.00(0.0 0.0)		2346U 0.00(0.0 0.0)
2350U	0.00(0.0 0.0)		2356U 0.00(0.0 0.0)
2360U	0.00(0.0 0.0)		2366U 0.00(0.0 0.0)
2370U	0.00(0.0 0.0)		2376U 0.00(0.0 0.0)
2380U	0.00(0.0 0.0)		2386U 0.00(0.0 0.0)
2390U	0.00(0.0 0.0)		2396U 0.00(0.0 0.0)
2400U	0.00(0.0 0.0)		2406U 0.00(0.0 0.0)
2410U	0.00(0.0 0.0)		2416U 0.00(0.0 0.0)
2420U	0.00(0.0 0.0)		2426U 0.00(0.0 0.0)
2430U	0.00(0.0 0.0)		2436U 0.00(0.0 0.0)
2440U	0.00(0.0 0.0)		2446U 0.00(0.0 0.0)
2450U	0.00(0.0 0.0)		2456U 0.00(0.0 0.0)
2460U	0.00(0.0 0.0)		2466U 0.00(0.0 0.0)
2470U	0.00(0.0 0.0)		2476U 0.00(0.0 0.0)
2480U	0.00(0.0 0.0)		2486U 0.00(0.0 0.0)
2490U	0.00(0.0 0.0)		2496U 0.00(0.0 0.0)
2500U	0.00(0.0 0.0)		2506U 0.00(0.0 0.0)
2510U	0.00(0.0 0.0)		2516U 0.00(0.0 0.0)
2520U	0.00(0.0 0.0)		2526U 0.00(0.0 0.0)
2530U	0.00(0.0 0.0)		2536U 0.00(0.0 0.0)
2540U	0.00(0.0 0.0)		2546U 0.00(0.0 0.0)
2550U	0.00(0.0 0.0)		2556U 0.00(0.0 0.0)
2560U	0.00(0.0 0.0)		2566U 0.00(0.0 0.0)
2570U	0.00(0.0 0.0)		2576U 0.00(0.0 0.0)
2580U	0.00(0.0 0.0)		2586U 0.00(0.0 0.0)
2590U	0.00(0.0 0.0)		2596U 0.00(0.0 0.0)
2600U	0.00(0.0 0.0)		2606U 0.00(0.0 0.0)
2610U	0.00(0.0 0.0)		2616U 0.00(0.0 0.0)
2620U	0.00(0.0 0.0)		2626U 0.00(0.0 0.0)
2630U	0.00(0.0 0.0)		2636U 0.00(0.0 0.0)
2640U	0.00(0.0 0.0)		2646U 0.00(0.0 0.0)
2650U	0.00(0.0 0.0)		2656U 0.00(0.0 0.0)
2660U	0.00(0.0 0.0)		2666U 0.00(0.0 0.0)
2670U	0.00(0.0 0.0)		2676U 0.00(0.0 0.0)
2680U	0.00(0.0 0.0)		2686U 0.00(0.0 0.0)
2690U	0.00(0.0 0.0)		2696U 0.00(0.0 0.0)
2700U	0.00(0.0 0.0)		2706U 0.00(0.0 0.0)
2710U	0.00(0.0 0.0)		2716U 0.00(0.0 0.0)
2720U	0.00(0.0 0.0)		2726U 0.00(0.0 0.0)
2730U	0.00(0.0 0.0)		2736U 0.00(0.0 0.0)
2740U	0.00(0.0 0.0)		2746U 0.00(0.0 0.0)
2750U	0.00(0.0 0.0)		2756U 0.00(0.0 0.0)
2760U	0.00(0.0 0.0)		2766U 0.00(0.0 0.0)
2770U	0.00(0.0 0.0)		2776U 0.00(0.0 0.0)
2780U	0.00(0.0 0.0)		2786U 0.00(0.0 0.0)
2790U	0.00(0.0 0.0)		2796U 0.00(0.0 0.0)
2800U	0.00(0.0 0.0)		2806U 0.00(0.0 0.0)
2810U	0.00(0.0 0.0)		2816U 0.00(0.0 0.0)
2820U	0.00(0.0 0.0)		2826U 0.00(0.0 0.0)
2830U	0.00(0.0 0.0)		2836U 0.00(0.0 0.0)
2840U	0.00(0.0 0.0)		2846U 0.00(0.0 0.0)
2850U	0.00(0.0 0.0)		2856U 0.00(0.0 0.0)
2860U	0.00(0.0 0.0)		2866U 0.00(0.0 0.0)
2870U	0.00(0.0 0.0)		2876U 0.00(0.0 0.0)
2880U	0.00(0.0 0.0)		2886U 0.00(0.0 0.0)
2890U	0.00(0.0 0.0)		2896U 0.00(0.0 0.0)
2900U	0.00(0.0 0.0)		2906U 0.00(0.0 0.0)
2910U	0.00(0.0 0.0)		2916U 0.00(0.0 0.0)
2920U	0.00(0.0 0.0)		2926U 0.00(0.0 0.0)
2930U	0.00(0.0 0.0)		2936U 0.00(0.0 0.0)
2940U	0.00(0.0 0.0)		2946U 0.00(0.0 0.0)
2950U	0.00(0.0 0.0)		2956U 0.00(0.0 0.0)

X,Y(MM) 3.3 3.1 SL3-167 16 SCANS, T= 220 HR 7115 WT .9, SCALE 1.00

R = 0.95

$R = 0.95$

HD 175876

X,Y(MM) -10.5 4.7 SL3-254 4 SCANS. T= 225; HD 175876 WT .4, SCALE 1.00

$$R = 0.42$$
 $R = 0.42;$

$$R = 0.79$$



LAMBDA, F (WT, SIG)			F = AVE FLUX FROM LAM-DEL/2 TO LAM+DEL/2		
1480U	1.58E-09	(.2 0.0)	1482U	1.60E-09	(.2 0.0)
1490U	1.21E-09	(.2 0.0)	1492U	1.33E-09	(.2 0.0)
1500U	1.54E-09	(.3 0.0)	1502U	1.24E-09	(.3 0.0)
1510U	1.30E-09	(.3 0.0)	1512U	1.29E-09	(.2 0.0)
1520U	1.60E-09	(.4 0.0)	1522U	1.55E-09	(.5 0.0)
1530U	1.39E-09	(.4 0.0)	1532U	1.37E-09	(.4 0.0)
1540U	1.35E-09	(.5 0.0)	1542U	1.29E-09	(.4 0.0)
1550U	1.07E-09	(.4 0.0)	1552U	1.08E-09	(.4 0.0)
1560U	1.10E-09	(.4 0.0)	1562U	1.22E-09	(.5 0.0)
1570	1.13E-09	(.5 0.0)	1572	1.19E-09	(.6 0.0)
1580	1.08E-09	(.5 0.0)	1582	9.91E-10	(.5 0.0)
1590	1.03E-09	(.6 0.0)	1592U	9.19E-10	(.6 0.0)
1600	9.66E-10	(.6 0.0)	1602	9.07E-10	(.5 0.0)
1610	8.78E-10	(.6 0.0)	1612	8.04E-10	(.6 0.0)
1620	8.65E-10	(.7 0.0)	1622	8.71E-10	(.7 0.0)
1630	8.37E-10	(.7 0.0)	1632	8.49E-10	(.7 0.0)
1640	8.14E-10	(.7 0.0)	1642	8.00E-10	(.7 0.0)
1650	7.38E-10	(.7 0.0)	1652	7.42E-10	(.7 0.0)
1660	6.74E-10	(.7 0.0)	1662	6.92E-10	(.7 0.0)
1670	6.82E-10	(.7 0.0)	1672	7.02E-10	(.8 0.0)
1680	7.47E-10	(.1 0.0)	1682	7.37E-10	(.9 0.0)
1690	7.32E-10	(.1 0.0)	1692	7.23E-10	(.1 0.0)
1700	6.38E-10	(.9 0.0)	1702	6.62E-10	(.1 0.0)
1710	6.24E-10	(.1 0.0)	1712	6.41E-10	(.1 0.0)
1720	6.37E-10	(.1 0.0)	1722	5.94E-10	(.1 0.0)
1730	6.20E-10	(.1 0.0)	1732	5.96E-10	(.1 0.0)
1740	5.80E-10	(.1 0.0)	1742	5.54E-10	(.1 0.0)
1750	5.71E-10	(.1 0.0)	1752	5.83E-10	(.1 0.0)
1760	5.64E-10	(.1 0.0)	1762	5.68E-10	(.1 0.0)
1770	5.44E-10	(.1 0.0)	1772	5.51E-10	(.1 0.0)
1780	5.68E-10	(.1 0.0)	1782	5.81E-10	(.1 0.0)
1790	5.68E-10	(.1 0.0)	1792	5.62E-10	(.1 0.0)
1800	5.52E-10	(.1 0.0)	1802	5.59E-10	(.1 0.0)
1810	5.15E-10	(.1 0.0)	1812	5.19E-10	(.1 0.0)
1820	5.67E-10	(.1 0.0)	1822	5.57E-10	(.1 0.0)
1800	5.50E-10	(.1 0.0)	1805	5.21E-10	(.1 0.0)
1825	5.40E-10	(.1 0.0)	1830	5.39E-10	(.1 0.0)
1850	4.75E-10	(.1 0.0)	1855	4.51E-10	(.1 0.0)
1875	4.61E-10	(.1 0.0)	1880	4.60E-10	(.1 0.0)
1900	4.24E-10	(.1 0.0)	1905	4.38E-10	(.1 0.0)
1925	3.97E-10	(.1 0.0)	1930	3.98E-10	(.1 0.0)
1950	3.92E-10	(.1 0.0)	1955	3.89E-10	(.1 0.0)
1975	3.60E-10	(.1 0.0)	1980	3.65E-10	(.1 0.0)
2000	3.45E-10	(.1 0.0)	2005	3.43E-10	(.1 0.0)
2025	3.49E-10	(.1 0.0)	2030	3.54E-10	(.1 0.0)
2050	3.63E-10	(.1 0.0)	2055	3.66E-10	(.1 0.0)
2075	3.64E-10	(.9 0.0)	2080	3.72E-10	(.9 0.0)
2100	3.52E-10	(.8 0.0)	2105	3.43E-10	(.8 0.0)
2125	3.61E-10	(.8 0.0)	2130	3.54E-10	(.8 0.0)
2150	3.41E-10	(.7 0.0)	2155	3.46E-10	(.7 0.0)
2175	3.32E-10	(.7 0.0)	2180	3.30E-10	(.7 0.0)
2200	3.25E-10	(.7 0.0)	2205	3.24E-10	(.7 0.0)
2225	3.07E-10	(.7 0.0)	2230	2.95E-10	(.7 0.0)
2250	2.97E-10	(.6 0.0)	2255	2.99E-10	(.6 0.0)
2275	2.96E-10	(.6 0.0)	2280	2.96E-10	(.6 0.0)
2300	2.71E-10	(.6 0.0)	2305	2.68E-10	(.6 0.0)
2300	2.72E-10	(.6 0.0)	2310	2.66E-10	(.6 0.0)
2350	2.58E-10	(.5 0.0)	2360	2.52E-10	(.5 0.0)
2400	2.22E-10	(.5 0.0)	2410	2.22E-10	(.5 0.0)
2450	2.41E-10	(.5 0.0)	2460E	2.49E-10	(.5 0.0)
2500E	2.34E-10	(.5 0.0)	2510E	2.33E-10	(.4 0.0)
2550E	2.18E-10	(.4 0.0)	2560E	2.15E-10	(.4 0.0)
2600E	2.22E-10	(.4 0.0)	2610E	2.21E-10	(.4 0.0)
2650E	2.24E-10	(.4 0.0)	2660E	2.30E-10	(.4 0.0)
2700E	2.52E-10	(.3 0.0)	2710E	2.46E-10	(.3 0.0)
2750E	2.39E-10	(.3 0.0)	2760E	2.32E-10	(.3 0.0)
2800E	2.26E-10	(.3 0.0)	2810E	2.20E-10	(.3 0.0)
2850E	2.13E-10	(.3 0.0)	2860E	2.23E-10	(.3 0.0)
2900E	2.52E-10	(.2 0.0)	2910E	2.43E-10	(.2 0.0)
2950E	2.32E-10	(.2 0.0)	2960E	2.34E-10	(.2 0.0)
3000E	2.09E-10	(.2 0.0)	3010E	2.04E-10	(.2 0.0)
3000E	2.10E-10	(.2 0.0)	3020E	2.02E-10	(.2 0.0)
3100E	2.15E-10	(.2 0.0)	3120E	2.31E-10	(.2 0.0)
3200E	2.37E-10	(.1 0.0)	3220E	2.42E-10	(.1 0.0)
3300E	2.52E-10	(.1 0.0)	3320E	2.34E-10	(.1 0.0)
135	0.00(0.0 0.0)		139	0.00(0.0 0.0)	
166	1.74(.7 0.0)		172	1.94(1.0 0.0)	
219	2.63(.7 0.0)		245	2.96(.5 0.0)	
148U	1.46E-09	(.2 0.0)	1484U	1.46E-09	(.2 0.0)
1494U	1.46E-09	(.2 0.0)	1496U	1.32E-09	(.3 0.0)
1504U	1.34E-09	(.2 0.0)	1506U	1.40E-09	(.3 0.0)
1514U	1.16E-09	(.2 0.0)	1516U	1.24E-09	(.3 0.0)
1524	1.76E-09	(.5 0.0)	1526	1.68E-09	(.5 0.0)
1534U	1.27E-09	(.4 0.0)	1536	1.47E-09	(.5 0.0)
1544U	1.26E-09	(.4 0.0)	1546U	1.25E-09	(.4 0.0)
1554U	1.14E-09	(.4 0.0)	1556U	1.08E-09	(.4 0.0)
1564	1.15E-09	(.5 0.0)	1566U	1.02E-09	(.5 0.0)
1574	1.08E-09	(.6 0.0)	1576	1.11E-09	(.6 0.0)
1584U	9.38E-10	(.5 0.0)	1586	1.07E-09	(.5 0.0)
1594	1.03E-09	(.6 0.0)	1596	1.04E-09	(.6 0.0)
1604U	7.21E-10	(.5 0.0)	1606	7.86E-10	(.6 0.0)
1614	7.97E-10	(.6 0.0)	1616	8.35E-10	(.6 0.0)
1624	8.79E-10	(.7 0.0)	1626	8.32E-10	(.7 0.0)
1634	8.46E-10	(.7 0.0)	1636	8.44E-10	(.7 0.0)
1644	7.68E-10	(.7 0.0)	1646	7.42E-10	(.7 0.0)
1654	7.36E-10	(.7 0.0)	1656	6.84E-10	(.7 0.0)
1664	7.10E-10	(.7 0.0)	1666	6.82E-10	(.7 0.0)
1674	7.46E-10	(.8 0.0)	1676	7.60E-10	(.9 0.0)
1684	7.22E-10	(.1 0.0)	1686	7.10E-10	(.9 0.0)
1694	7.06E-10	(.1 0.0)	1696	6.90E-10	(.1 0.0)
1704	6.76E-10	(.1 0.0)	1706	6.61E-10	(.1 0.0)
1714	6.22E-10	(.1 0.0)	1716	6.15E-10	(.1 0.0)
1724	5.83E-10	(.1 0.0)	1726	6.08E-10	(.1 0.0)
1734	5.73E-10	(.1 0.0)	1736	5.83E-10	(.1 0.0)
1744	5.56E-10	(.1 0.0)	1746	5.67E-10	(.1 0.0)
1754	5.88E-10	(.1 0.0)	1756	5.89E-10	(.1 0.0)
1764	5.61E-10	(.1 0.0)	1766	5.44E-10	(.1 0.0)
1774	5.43E-10	(.1 0.0)	1776	5.33E-10	(.1 0.0)
1784	5.80E-10	(.1 0.0)	1786	5.80E-10	(.1 0.0)
1794	5.58E-10	(.1 0.0)	1796	5.54E-10	(.1 0.0)
1804	5.52E-10	(.1 0.0)	1806	5.51E-10	(.1 0.0)
1814	5.33E-10	(.1 0.0)	1816	5.52E-10	(.1 0.0)
1824	5.43E-10	(.1 0.0)	1826	5.35E-10	(.1 0.0)
1810	5.16E-10	(.1 0.0)	1815	5.42E-10	(.1 0.0)
1835	5.15E-10	(.1 0.0)	1840	4.97E-10	(.1 0.0)
1860	4.58E-10	(.1 0.0)	1865	4.64E-10	(.1 0.0)
1885	4.54E-10	(.1 0.0)	1890	4.32E-10	(.1 0.0)
1910	4.07E-10	(.1 0.0)	1915	4.11E-10	(.1 0.0)
1935	4.07E-10	(.1 0.0)	1940	4.10E-10	(.1 0.0)
1960	3.76E-10	(.1 0.0)	1965	3.68E-10	(.1 0.0)
1985	3.62E-10	(.1 0.0)	1990	3.52E-10	(.1 0.0)
2010	3.43E-10	(.1 0.0)	2015	3.50E-10	(.1 0.0)
2035	3.66E-10	(.1 0.0)	2040	3.72E-10	(.1 0.0)
2060	3.63E-10	(.9 0.0)	2065	3.49E-10	(.9 0.0)
2085	3.87E-10	(.8 0.0)	2090	3.85E-10	(.8 0.0)
2110	3.46E-10	(.8 0.0)	2115	3.54E-10	(.8 0.0)
2135	3.47E-10	(.8 0.0)	2140	3.40E-10	(.8 0.0)
2160	3.44E-10	(.7 0.0)	2165	3.36E-10	(.7 0.0)
2185	3.30E-10	(.7 0.0)	2190	3.32E-10	(.7 0.0)
2210	3.17E-10	(.7 0.0)	2215	3.11E-10	(.7 0.0)
2235	2.86E-10	(.6 0.0)	2240	2.89E-10	(.6 0.0)
2260	3.00E-10	(.6 0.0)	2265	3.01E-10	(.6 0.0)
2285	2.94E-10	(.6 0.0)	2290	2.88E-10	(.6 0.0)
2310	2.66E-10	(.6 0.0)	2315	2.63E-10	(.6 0.0)
2320	2.58E-10	(.6 0.0)	2330	2.53E-10	(.6 0.0)
2370	2.52E-10	(.5 0.0)	2380	2.52E-10	(.5 0.0)
2420	2.34E-10	(.5 0.0)	2430	2.42E-10	(.5 0.0)
2470E	2.46E-10	(.5 0.0)	2480E	2.32E-10	(.5 0.0)
2510E	2.34E-10	(.4 0.0)	2530E	2.38E-10	(.4 0.0)
2570E	2.22E-10	(.4 0.0)	2580E	2.30E-10	(.4 0.0)
2620E	2.29E-10	(.4 0.0)	2630E	2.32E-10	(.4 0.0)
2670E	2.35E-10	(.3 0.0)	2680E	2.44E-10	(.3 0.0)
2720E	2.42E-10	(.3 0.0)	2730E	2.42E-10	(.3 0.0)
2770E	2.27E-10	(.3 0.0)	2780E	2.28E-10	(.3 0.0)
2820E	2.14E-10	(.3 0.0)	2830E	2.07E-10	(.3 0.0)
2870E	2.32E-10	(.2 0.0)	2880E	2.41E-10	(.2 0.0)
2920E	2.32E-10	(.2 0.0)	2930E	2.26E-10	(.2 0.0)
2970E	2.32E-10	(.2 0.0)	2980E	2.26E-10	(.2 0.0)
3020E	2.02E-10	(.2 0.0)	3030E	2.04E-10	(.2 0.0)
3040E	2.08E-10	(.2 0.0)	3060E	2.09E-10	(.2 0.0)
3140E	2.41E-10	(.2 0.0)	3160E	2.38E-10	(.2 0.0)
3240E	2.41E-10	(.1 0.0)	3260E	2.36E-10	(.1 0.0)
3340E	2.13E-10	(.1 0.0)	3360E	2.10E-10	(.1 0.0)
161	1.53(.6 0.0)		161	1.53(.6 0.0)	
204	2.51(1.0 0.0)		204	2.51(1.0 0.0)	
0	0.00(0.0 0.0)		0	0.00(0.0 0.0)	

X, Y (MM) -16.9 -5.1 SL3-261 22 SCANS, T= 242 ZET AQL WT 1.0, SCALE 1.00

R = 0.58+-







X,Y(MM) 1.8 8.5 SL3-247 17 SCANS, T= 218 HR 7392 WT .9,SCALE 1.00 R = (0.67)

3000	1.45E-11(.6	0.0)	3020	1.52E-11(.6	0.0)	3040	1.56E-11(.5	0.0)	3060	1.57E-11(.5	0.0)	3080	1.57E-11(.5	0.0)
3100	1.57E-11(.5	0.0)	3120	1.54E-11(.5	0.0)	3140	1.54E-11(.5	0.0)	3160	1.45E-11(.5	0.0)	3180	1.48E-11(.5	0.0)
3200	1.62E-11(.5	0.0)	3220	1.64E-11(.5	0.0)	3240	1.69E-11(.5	0.0)	3260	1.80E-11(.4	0.0)	3280	1.91E-11(.4	0.0)
3300	1.92E-11(.4	0.0)	3320	1.82E-11(.4	0.0)	3340	1.70E-11(.4	0.0)	3360	1.62E-11(.5	0.0)	3380	1.61E-11(.5	0.0)
3400	1.65E-11(.5	0.0)	3420	1.66E-11(.4	0.0)	3440	1.62E-11(.4	0.0)	3460	1.56E-11(.5	0.0)	3480	1.48E-11(.5	0.0)
3500	1.42E-11(.5	0.0)	3520	1.36E-11(.5	0.0)	3540	1.31E-11(.5	0.0)	3560	1.24E-11(.5	0.0)	3580	1.18E-11(.5	0.0)
3600	1.13E-11(.5	0.0)	3620	1.15E-11(.5	0.0)	3640	1.16E-11(.5	0.0)	3660	1.22E-11(.5	0.0)	3680	1.24E-11(.5	0.0)
3700	1.23E-11(.4	0.0)	3720	1.25E-11(.4	0.0)	3740	1.27E-11(.4	0.0)	3760	1.30E-11(.4	0.0)	3780	1.34E-11(.4	0.0)
3800	1.56E-11(.4	0.0)	3820	1.62E-11(.4	0.0)	3840	1.68E-11(.4	0.0)	3860	1.73E-11(.4	0.0)	3880E	1.77E-11(.4	0.0)
3900E	1.80E-11(.4	0.0)	3920	1.83E-11(.4	0.0)	3940	1.85E-11(.4	0.0)	3960	1.86E-11(.4	0.0)	3980	1.89E-11(.4	0.0)
4000	1.92E-11(.4	0.0)	4020	1.95E-11(.4	0.0)	4040	1.99E-11(.4	0.0)	4060	2.01E-11(.4	0.0)	4080	2.04E-11(.4	0.0)
4100	2.06E-11(.5	0.0)	4120	2.08E-11(.5	0.0)	4140	2.11E-11(.5	0.0)	4160	2.14E-11(.5	0.0)	4180	2.17E-11(.5	0.0)
135	0.00(0.0	0.0)	139	0.00(0.0	0.0)	148	0.00(0.0	0.0)	154	0.00(0.0	0.0)	161	0.00(0.0	0.0)
166	0.00(0.0	0.0)	172	0.00(0.0	0.0)	181	0.00(0.0	0.0)	192	0.00(0.0	0.0)	204	6.00(.9	0.0)
219	6.14(.9	0.0)	245	6.37(.9	0.0)	280	6.12(.7	0.0)	360	5.89(.5	0.0)	0	0.00(0.0	0.0)

X, Y(MM) -2.7 -2.0 SL3-168 17 SCANS, T= 219 V1264 CYG WT .9, SCALE 1.00

LAMBDA, F (WT, SIG)				F = AVE FLUX FROM LAM-DE/2 TO LAM-DE/2				LAMBDA, F (WT, SIG)				F = AVE FLUX FROM LAM-DE/2 TO LAM-DE/2			
LAMBDA,	F	(WT,	SIG)	LAMBDA,	F	(WT,	SIG)	LAMBDA,	F	(WT,	SIG)	LAMBDA,	F	(WT,	SIG)
1720,	0.	(0.0,	0.0)	1722,	0.	(0.0,	0.0)	1724,	0.	(0.0,	0.0)	1726,	0.	(0.0,	0.0)
1730,	5.31E-11	(.5,	0.0)	1732,	5.14E-11	(.5,	0.0)	1734,	5.09E-11	(.5,	0.0)	1736,	5.63E-11	(.5,	0.0)
1740,	5.34E-11	(.5,	0.0)	1742,	5.13E-11	(.5,	0.0)	1744,	5.45E-11	(.6,	0.0)	1746,	5.74E-11	(.6,	0.0)
1750,	5.39E-11	(.6,	0.0)	1752,	5.22E-11	(.6,	0.0)	1754,	5.63E-11	(.7,	0.0)	1756,	6.29E-11	(.9,	0.0)
1760,	5.93E-11	(.8,	0.0)	1762,	5.53E-11	(.7,	0.0)	1764,	5.26E-11	(.7,	0.0)	1766,	4.91E-11	(.6,	0.0)
1770,	5.02E-11	(.7,	0.0)	1772,	5.47E-11	(.8,	0.0)	1774,	5.78E-11	(.9,	0.0)	1776,	5.72E-11	(.9,	0.0)
1780,	5.11E-11	(.8,	0.0)	1782,	5.16E-11	(.8,	0.0)	1784,	5.21E-11	(.8,	0.0)	1786,	5.15E-11	(.9,	0.0)
1790,	5.22E-11	(.7,	0.0)	1792,	5.06E-11	(.7,	0.0)	1794,	5.46E-11	(.8,	0.0)	1796,	5.05E-11	(.9,	0.0)
1800,	5.55E-11	(.9,	0.0)	1802,	5.57E-11	(.9,	0.0)	1804,	5.50E-11	(.9,	0.0)	1806,	5.38E-11	(.9,	0.0)
1810,	5.42E-11	(.9,	0.0)	1812,	5.62E-11	(.9,	0.0)	1814,	5.87E-11	(.9,	0.0)	1816,	6.07E-11	(.9,	0.0)
1820,	5.59E-11	(.9,	0.0)	1822,	5.33E-11	(.9,	0.0)	1824,	5.35E-11	(.9,	0.0)	1826,	5.51E-11	(.9,	0.0)
1800,	5.53E-11	(.9,	0.0)	1805,	5.44E-11	(.9,	0.0)	1810,	5.46E-11	(.9,	0.0)	1815,	5.95E-11	(.9,	0.0)
1825,	5.14E-11	(.9,	0.0)	1830,	5.94E-11	(.9,	0.0)	1835,	5.24E-11	(.9,	0.0)	1840,	5.24E-11	(.9,	0.0)
1850,	5.14E-11	(.9,	0.0)	1855,	5.17E-11	(.9,	0.0)	1860,	5.70E-11	(.9,	0.0)	1865,	5.57E-11	(.9,	0.0)
1875,	5.86E-11	(.9,	0.0)	1880,	5.69E-11	(.9,	0.0)	1885,	5.74E-11	(.9,	0.0)	1890,	6.16E-11	(.9,	0.0)
1900,	5.97E-11	(.9,	0.0)	1905,	5.69E-11	(.9,	0.0)	1910,	5.73E-11	(.9,	0.0)	1915,	5.81E-11	(.9,	0.0)
1925,	5.02E-11	(.9,	0.0)	1930,	5.34E-11	(.9,	0.0)	1935,	5.70E-11	(.9,	0.0)	1940,	5.58E-11	(.9,	0.0)
1950,	5.44E-11	(.9,	0.0)	1955,	5.26E-11	(.9,	0.0)	1960,	5.36E-11	(.9,	0.0)	1965,	5.62E-11	(.9,	0.0)
1975,	5.47E-11	(.9,	0.0)	1980,	5.24E-11	(.9,	0.0)	1985,	5.06E-11	(.9,	0.0)	1990,	5.03E-11	(.9,	0.0)
2000,	5.47E-11	(.9,	0.0)	2005,	5.21E-11	(.9,	0.0)	2010,	5.14E-11	(.9,	0.0)	2015,	5.14E-11	(.9,	0.0)
2025,	4.88E-11	(.9,	0.0)	2030,	4.90E-11	(.9,	0.0)	2035,	4.81E-11	(.9,	0.0)	2040,	4.83E-11	(.9,	0.0)
2050,	5.00E-11	(.9,	0.0)	2055,	5.30E-11	(.9,	0.0)	2060,	5.56E-11	(.9,	0.0)	2065,	5.56E-11	(.9,	0.0)
2075,	5.21E-11	(.9,	0.0)	2080,	5.24E-11	(.9,	0.0)	2085,	5.34E-11	(.9,	0.0)	2090,	5.47E-11	(.9,	0.0)
2100,	5.65E-11	(.9,	0.0)	2105,	5.60E-11	(.9,	0.0)	2110,	5.59E-11	(.9,	0.0)	2115,	5.65E-11	(.8,	0.0)
2125,	5.75E-11	(.8,	0.0)	2130,	5.68E-11	(.8,	0.0)	2135,	5.71E-11	(.8,	0.0)	2140,	5.78E-11	(.8,	0.0)
2150,	5.44E-11	(.8,	0.0)	2155,	5.36E-11</										

R = 1.00

$R = 0.55:$

HD 187459

HR 7551

HD 187459

LAMBDA, F (WT, SIG) F = AVE FLUX FROM LAM-DEL/2 TO LAM+DEL/2

1700, 3.02E-11(.5 0.0)	1702, 2.72E-11(.5 0.0)	1704, 2.76E-11(.5 0.0)	1706, 2.89E-11(.5 0.0)	1708, 2.81E-11(.5 0.0)
1710, 2.88E-11(.5 0.0)	1712, 3.08E-11(.5 0.0)	1714, 3.20E-11(.5 0.0)	1716, 3.16E-11(.5 0.0)	1718, 2.90E-11(.5 0.0)
1720, 2.53E-11(.5 0.0)	1722, 2.32E-11(.5 0.0)	1724, 2.54E-11(.5 0.0)	1726, 2.92E-11(.5 0.0)	1728, 3.09E-11(.5 0.0)
1730, 3.02E-11(.5 0.0)	1732, 2.92E-11(.5 0.0)	1734, 2.93E-11(.5 0.0)	1736, 3.07E-11(.5 0.0)	1738, 3.15E-11(.5 0.0)
1740, 2.96E-11(.5 0.0)	1742, 2.74E-11(.5 0.0)	1744, 2.72E-11(.5 0.0)	1746, 2.89E-11(.5 0.0)	1748, 2.96E-11(.5 0.0)
1750, 2.83E-11(.5 0.0)	1752, 2.75E-11(.5 0.0)	1754, 2.87E-11(.5 0.0)	1756, 3.09E-11(.5 0.0)	1758, 3.25E-11(.5 0.0)
1760, 3.27E-11(.5 0.0)	1762, 3.12E-11(.5 0.0)	1764, 2.99E-11(.5 0.0)	1766, 3.02E-11(.5 0.0)	1768, 3.16E-11(.5 0.0)
1770, 3.23E-11(.5 0.0)	1772, 3.23E-11(.5 0.0)	1774, 3.19E-11(.5 0.0)	1776, 3.02E-11(.5 0.0)	1778, 2.79E-11(.5 0.0)
1780, 2.76E-11(.5 0.0)	1782, 2.90E-11(.5 0.0)	1784, 3.04E-11(.5 0.0)	1786, 3.09E-11(.5 0.0)	1788, 3.07E-11(.5 0.0)
1790, 3.01E-11(.5 0.0)	1792, 2.94E-11(.5 0.0)	1794, 2.88E-11(.5 0.0)	1796, 2.83E-11(.5 0.0)	1798, 2.70E-11(.5 0.0)
1800, 2.58E-11(.5 0.0)	1802, 2.57E-11(.5 0.0)	1804, 2.67E-11(.5 0.0)	1806, 2.70E-11(.5 0.0)	1808, 2.68E-11(.5 0.0)
1810, 2.68E-11(.5 0.0)	1812, 2.73E-11(.5 0.0)	1814, 2.69E-11(.5 0.0)	1816, 2.61E-11(.5 0.0)	1818, 2.57E-11(.5 0.0)
1820, 2.60E-11(.5 0.0)	1822, 2.72E-11(.5 0.0)	1824, 2.90E-11(.5 0.0)	1826, 3.02E-11(.5 0.0)	0.0 (0.0 0.0)
1800, 2.60E-11(.5 0.0)	1805, 2.68E-11(.5 0.0)	1810, 2.69E-11(.5 0.0)	1815, 2.64E-11(.5 0.0)	1820, 2.62E-11(.5 0.0)
1825, 2.98E-11(.5 0.0)	1830, 3.01E-11(.5 0.0)	1835, 3.00E-11(.5 0.0)	1840, 2.98E-11(.5 0.0)	1845, 2.60E-11(.5 0.0)
1850, 2.31E-11(.5 0.0)	1855, 2.13E-11(.5 0.0)	1860, 2.11E-11(.5 0.0)	1865, 2.21E-11(.5 0.0)	1870, 2.46E-11(.5 0.0)
1875, 2.62E-11(.5 0.0)	1880, 2.59E-11(.5 0.0)	1885, 2.14E-11(.5 0.0)	1890, 1.96E-11(.5 0.0)	1895, 1.96E-11(.5 0.0)
1900, 1.74E-11(.5 0.0)	1905, 1.69E-11(.5 0.0)	1910, 1.76E-11(.5 0.0)	1915, 1.73E-11(.5 0.0)	1920, 1.73E-11(.5 0.0)
1925, 1.57E-11(.5 0.0)	1930, 1.59E-11(.5 0.0)	1935, 1.66E-11(.5 0.0)	1940, 1.70E-11(.5 0.0)	1945, 1.69E-11(.5 0.0)
1950, 1.67E-11(.5 0.0)	1955, 1.57E-11(.5 0.0)	1960, 1.53E-11(.5 0.0)	1965, 1.49E-11(.5 0.0)	1970, 1.42E-11(.5 0.0)
1975, 1.41E-11(.5 0.0)	1980, 1.45E-11(.5 0.0)	1985, 1.35E-11(.5 0.0)	1990, 1.26E-11(.5 0.0)	1995, 1.20E-11(.5 0.0)
2000, 1.10E-11(.5 0.0)	2005, 1.07E-11(.5 0.0)	2010, 1.13E-11(.5 0.0)	2015, 1.13E-11(.5 0.0)	2020, 1.12E-11(.5 0.0)
2025, 1.17E-11(.5 0.0)	2030, 1.18E-11(.5 0.0)	2035, 1.12E-11(.5 0.0)	2040, 1.05E-11(.5 0.0)	2045, 9.99E-12(.5 0.0)
2050, 9.60E-12(.5 0.0)	2055, 9.46E-12(.5 0.0)	2060, 9.29E-12(.5 0.0)	2065, 8.82E-12(.5 0.0)	2070, 8.51E-12(.5 0.0)
2075, 8.21E-12(.5 0.0)	2080, 7.80E-12(.5 0.0)	2085, 7.57E-12(.5 0.0)	2090, 7.42E-12(.5 0.0)	2095, 7.35E-12(.5 0.0)
2100, 7.55E-12(.5 0.0)	2105, 7.71E-12(.5 0.0)	2110, 7.52E-12(.5 0.0)	2115, 7.38E-12(.5 0.0)	2120, 7.62E-12(.5 0.0)
2125, 7.65E-12(.5 0.0)	2130, 7.28E-12(.5 0.0)	2135, 7.14E-12(.5 0.0)	2140, 7.25E-12(.5 0.0)	2145, 7.39E-12(.5 0.0)
2150, 7.31E-12(.5 0.0)	2155, 7.25E-12(.5 0.0)	2160, 7.11E-12(.5 0.0)	2165, 6.92E-12(.5 0.0)	2170, 6.91E-12(.5 0.0)
2175, 7.03E-12(.5 0.0)	2180, 7.04E-12(.5 0.0)	2185, 6.94E-12(.5 0.0)	2190, 6.90E-12(.5 0.0)	2195, 7.09E-12(.5 0.0)
2200, 7.18E-12(.5 0.0)	2205, 7.32E-12(.5 0.0)	2210, 7.24E-12(.5 0.0)	2215, 7.16E-12(.5 0.0)	2220, 7.15E-12(.5 0.0)
2225, 7.24E-12(.5 0.0)	2230, 7.52E-12(.5 0.0)	2235, 7.80E-12(.5 0.0)	2240, 7.88E-12(.5 0.0)	2245, 7.58E-12(.5 0.0)
2250, 7.52E-12(.5 0.0)	2255, 7.60E-12(.5 0.0)	2260, 8.03E-12(.5 0.0)	2265, 8.23E-12(.5 0.0)	2270, 8.18E-12(.5 0.0)
2275, 8.01E-12(.5 0.0)	2280, 8.05E-12(.5 0.0)	2285, 8.27E-12(.5 0.0)	2290, 8.44E-12(.5 0.0)	2295, 8.36E-12(.5 0.0)
2300, 8.36E-12(.5 0.0)	2305, 8.64E-12(.5 0.0)	2310, 9.59E-12(.5 0.0)	2315, 1.05E-11(.5 0.0)	0.0 (0.0 0.0)
2300, 8.37E-12(.4 0.0)	2310, 9.29E-12(.4 0.0)	2320, 1.09E-11(.4 0.0)	2330, 1.10E-11(.4 0.0)	2340, 1.05E-11(.4 0.0)
2350, 1.04E-11(.4 0.0)	2360, 1.17E-11(.3 0.0)	2370, 1.32E-11(.3 0.0)	2380, 1.24E-11(.3 0.0)	2390, 1.26E-11(.3 0.0)
2400, 1.61E-11(.3 0.0)	2410, 1.79E-11(.3 0.0)	2420, 1.59E-11(.3 0.0)	2430, 1.52E-11(.3 0.0)	2440, 1.46E-11(.3 0.0)
2450, 1.49E-11(.2 0.0)	2460E 1.46E-11(.2 0.0)	2470E 1.41E-11(.2 0.0)	2480E 1.46E-11(.2 0.0)	2490E 1.49E-11(.2 0.0)
2500E 1.53E-11(.2 0.0)	2510E 1.54E-11(.2 0.0)	2520E 1.50E-11(.2 0.0)	2530E 1.50E-11(.2 0.0)	2540E 1.72E-11(.2 0.0)
2550E 2.02E-11(.2 0.0)	2560E 2.01E-11(.2 0.0)	2570E 1.85E-11(.2 0.0)	2580E 1.72E-11(.2 0.0)	2590E 1.62E-11(.2 0.0)
2600E 1.62E-11(.2 0.0)	2610E 1.79E-11(.2 0.0)	2620E 1.97E-11(.2 0.0)	2630E 1.98E-11(.2 0.0)	2640E 1.89E-11(.1 0.0)
135, 0.00(0.0 0.0)	139, 0.00(0.0 0.0)	148, 0.00(0.0 0.0)	154, 0.00(0.0 0.0)	161, 0.00(0.0 0.0)
166, 0.00(0.0 0.0)	172, 0.00(0.0 0.0)	181, 5.28(.5 0.0)	192, 5.76(.5 0.0)	204, 6.38(.5 0.0)
219, 6.72(.5 0.0)	245, 5.97(.3 0.0)	280, 0.00(0.0 0.0)	360, 0.00(0.0 0.0)	0, 0.00(0.0 0.0)

X,Y(MM) 2.9 1.1 SL3-244 5 SCANS, T= 301 HR 7551 WT .5,SCALE 1.00

R = 1.23

[illegible] $R = 0.71$





HR 7591

HD 188252

12

X, Y (MM)	-2.0	-2.2	SL3-	27	20 SCANS, T= 230	HR 7591	WT 1.0, SCALE .96
X, Y (MM)	-2.0	-2.2	SL3-	28	17 SCANS, T= 77	HR 7591	WT 1.0, SCALE 1.04

R = 1.17.





X, Y (MM)	-17.4	10.0	SL2- 12	17 SCANS, T= 221	25 CYG	WT .9, SCALE 1.01
X, Y (MM)	-7.6	17.4	SL3-246	1 SCANS, T= 268	25 CYG	WT .2, SCALE 2.54
X, Y (MM)	-7.6	17.4	SL3-245	15 SCANS, T= 223	25 CYG	WT .9, SCALE .85

R = 1.17

LAMBDA, F (WT, SIG)	F = AVE FLUX FROM LAM-DEL/2 TO LAM+DEL/2		
1850, 0. (0.0 0.0)	1855, 0. (0.0 0.0)	1860, 8.83E-12(1.4 12.8)	1865, 1.01E-11(1.5 14.9)
1875, 1.15E-11(1.6 21.4)	1880, 1.01E-11(1.6 28.8)	1885, 1.05E-11(1.6 19.1)	1890, 1.05E-11(1.7 16.6)
1900, 1.24E-11(1.9 14.9)	1905, 1.46E-11(1.0 7.0)	1910, 1.50E-11(1.1 3.3)	1915, 1.45E-11(1.1 1.5)
1925, 1.05E-11(1.9 15.5)	1930, 1.07E-11(1.8 21.6)	1935, 1.01E-11(1.7 24.9)	1940, 9.03E-12(1.6 20.4)
1950, 8.09E-12(1.5 21.0)	1955, 7.44E-12(1.5 18.4)	1960, 7.96E-12(1.7 26.5)	1965, 8.34E-12(1.8 16.3)
1975, 8.57E-12(1.8 25.2)	1980, 8.50E-12(1.9 16.8)	1985, 7.89E-12(1.8 14.4)	1990, 7.33E-12(1.8 19.0)
2000, 7.77E-12(1.8 20.3)	2005, 7.28E-12(1.8 22.6)	2010, 7.48E-12(1.9 21.2)	2015, 7.30E-12(1.9 21.6)
2025, 6.34E-12(1.8 25.5)	2030, 6.06E-12(1.7 22.7)	2035, 5.95E-12(1.7 30.7)	2040, 6.24E-12(1.9 25.3)
2050, 6.53E-12(1.0 20.0)	2055, 6.02E-12(1.9 20.2)	2060, 5.44E-12(1.9 14.5)	2065, 5.16E-12(1.8 5.4)
2075, 5.14E-12(1.8 10.1)	2080, 4.91E-12(1.9 9.6)	2085, 4.87E-12(1.9 4.0)	2090, 5.24E-12(1.9 1.2)
2100, 5.19E-12(1.9 5.9)	2105, 4.55E-12(1.8 2.7)	2110, 4.30E-12(1.9 1.6)	2115, 4.70E-12(1.1 12.6)
2125, 4.52E-12(1.0 12.8)	2130, 4.14E-12(1.0 15.2)	2135, 3.88E-12(1.0 20.0)	2140, 3.98E-12(1.0 20.0)
2150, 4.16E-12(1.0 17.5)	2155, 4.05E-12(1.0 15.6)	2160, 4.07E-12(1.0 13.7)	2165, 4.01E-12(1.1 14.8)
2175, 3.21E-12(1.9 25.3)	2180, 3.15E-12(1.8 26.8)	2185, 3.10E-12(1.8 28.9)	2190, 3.05E-12(1.9 23.7)
2200, 2.92E-12(1.9 10.8)	2205, 2.70E-12(1.8 19.1)	2210, 2.41E-12(1.8 30.6)	2215, 2.24E-12(1.7 31.6)
2225, 2.38E-12(1.8 22.9)	2230, 2.44E-12(1.8 22.4)	2235, 2.43E-12(1.9 21.3)	2240, 2.43E-12(1.9 21.0)
2250, 2.63E-12(1.9 18.0)	2255, 2.71E-12(1.0 16.5)	2260, 2.73E-12(1.0 12.8)	2265, 2.86E-12(1.0 7.3)
2275, 3.63E-12(1.2 11.4)	2280, 4.17E-12(1.2 18.6)	2285, 4.79E-12(1.3 20.5)	2290, 5.43E-12(1.4 15.7)
2300, 6.11E-12(1.4 6.9)	2305, 5.85E-12(1.5 6.4)	2310, 5.24E-12(1.5 3.7)	2315, 4.63E-12(1.5 5.0)
2330, 6.13E-12(1.6 7.1)	2335, 5.27E-12(1.7 4.0)	2340, 4.15E-12(1.6 6.4)	2345, 3.52E-12(1.5 3.9)
2350, 2.80E-12(1.4 8.4)	2355, 2.84E-12(1.4 8.4)	2360, 3.02E-12(1.5 5.9)	2365, 3.30E-12(1.6 3.3)
2400, 3.76E-12(1.8 3)	2410, 3.63E-12(1.8 1.4)	2420, 3.21E-12(1.8 2.2)	2430, 2.85E-12(1.7 4.6)
2450, 2.60E-12(1.6 6.7)	2460, 2.66E-12(1.6 9.0)	2470, 2.74E-12(1.6 9.0)	2480, 2.93E-12(1.6 12.2)
2500, 3.62E-12(1.9 17.0)	2510, 4.24E-12(2.0 10.1)	2520, 4.97E-12(2.0 1.6)	2530, 5.48E-12(1.9 2.4)
2550, 4.53E-12(1.9 2.6)	2560, 3.76E-12(1.9 7.2)	2570, 3.27E-12(2.0 10.6)	2580, 3.13E-12(2.0 13.3)
2600, 3.42E-12(2.0 9.6)	2610, 3.42E-12(2.0 7.6)	2620, 3.34E-12(2.0 3.6)	2630, 3.24E-12(2.0 1.8)
2650, 3.10E-12(2.0 7.6)	2660, 3.12E-12(2.0 10.6)	2670, 3.20E-12(2.0 9.3)	2680, 3.34E-12(2.0 6.8)
2700, 3.70E-12(2.0 4.7)	2710, 3.85E-12(1.9 2.5)	2720, 3.94E-12(1.9 1.3)	2730, 4.01E-12(1.9 3.3)
2750, 4.05E-12(1.9 4.9)	2760, 3.97E-12(1.9 3.1)	2770, 3.89E-12(1.9 1.4)	2780, 3.85E-12(1.9 2.5)
2800, 3.87E-12(1.9 2.6)	2810, 3.96E-12(1.9 2.0)	2820, 4.08E-12(1.9 1.7)	2830, 4.18E-12(1.9 4)
2850, 4.06E-12(1.9 2.4)	2860, 3.90E-12(1.9 1.2)	2870, 3.77E-12(1.9 3.0)	2880, 3.74E-12(1.9 5.8)
2900, 4.09E-12(1.9 7.4)	2910, 4.34E-12(1.9 4.4)	2920, 4.50E-12(1.9 1.7)	2930, 4.51E-12(1.9 4.3)
2950, 4.20E-12(1.9 5.4)	2960, 4.04E-12(1.9 3.1)	2970, 3.91E-12(1.9 1.9)	2980, 3.80E-12(1.9 3.4)
3000, 3.65E-12(1.9 5.8)	3010, 3.61E-12(1.9 6.2)	3020, 3.57E-12(1.9 5.3)	3030, 3.53E-12(1.9 3.2)
3050, 3.66E-12(1.9 5.8)	3060, 3.57E-12(1.9 5.1)	3070, 3.49E-12(1.9 1.5)	3080, 3.52E-12(1.9 2.8)
3100, 3.66E-12(1.9 2.6)	3110, 3.63E-12(1.9 2.8)	3120, 3.71E-12(1.9 2.6)	3130, 3.90E-12(1.9 4.8)
3200, 4.35E-12(1.9 3.7)	3210, 4.50E-12(1.9 3.6)	3220, 4.47E-12(1.8 5.3)	3230, 4.29E-12(1.8 8.6)
3300, 3.79E-12(1.8 10.8)	3310, 3.69E-12(1.9 7.7)	3320, 3.68E-12(1.9 5.0)	3330, 3.73E-12(1.9 3.5)
3400, 3.77E-12(1.9 5.0)	3410, 3.67E-12(1.9 6.4)	3420, 3.50E-12(1.9 8.9)	3430, 3.30E-12(1.9 10.2)
3500, 2.91E-12(1.9 6.4)	3510, 2.77E-12(1.9 4.2)	3520, 2.69E-12(1.9 5.1)	3530, 2.62E-12(1.9 5.3)
3600, 2.53E-12(1.8 3.1)	3610, 2.49E-12(1.8 2.7)	3620, 2.47E-12(1.7 3.6)	3630, 2.47E-12(1.7 3.7)
3700, 2.50E-12(1.6 3.4)	3710, 2.49E-12(1.6 4.0)	3720, 2.47E-12(1.6 4.7)	3730, 2.42E-12(1.5 5.8)
3800, 2.29E-12(1.5 7.5)	3810, 2.23E-12(1.4 7.6)	3820, 2.19E-12(1.4 7.3)	3830, 2.16E-12(1.4 7.0)
3900, 2.12E-12(1.3 6.4)	3910, 2.10E-12(1.3 5.7)	3920, 2.10E-12(1.3 4.9)	3930, 2.09E-12(1.2 4.2)
4000, 2.11E-12(1.2 3.5)	4010, 2.13E-12(1.1 4.0)	4020, 2.16E-12(1.1 4.8)	4030, 2.18E-12(1.1 5.7)
4100, 2.25E-12(1.1 7.6)	4110, 2.27E-12(1.1 8.2)	4120, 2.29E-12(1.1 8.1)	4130, 2.30E-12(1.1 8.4)
135, 0.00(0.0 0.0)	139, 0.00(0.0 0.0)	148, 0.00(0.0 0.0)	154, 0.00(0.0 0.0)
165, 0.00(0.0 0.0)	172, 0.00(0.0 0.0)	181, 0.00(0.0 0.0)	192, 6.35(1.8 20.2)
219, 7.57(1.0 14.4)	245, 7.54(1.7 5.0)	280, 7.45(1.9 2.4)	360, 7.75(1.7 2.2)

X,Y(MM) -10.9 -4.9 SL3-246 2 SCANS, T= 268 V1042 CYG WT .3, SCALE 1.79

X,Y(MM) 2.2 0.0 SL2- 12 16 SCANS, T= 221 V1042 CYG WT .9, SCALE .86

X,Y(MM) -10.9 -4.9 SL3-245 15 SCANS, T= 223 V1042 CYG WT .9, SCALE .85

R = 1.00

R = 1.00+-

R = <1.05>



LAMBDA	F	( WT.	SIG	F = AVE FLUX	FROM LAM-DEL/2	TO LAM-DEL/2	F	( WT.	SIG	F = AVE FLUX	FROM LAM-DEL/2	TO LAM-DEL/2			
1850	1.26E-11	(.6	0.0)	1855	1.32E-11	(.4	0.0)	1860	1.41E-11	(.5	0.0)	1865	1.41E-11	(.5	0.0)
1875	1.46E-11	(.6	0.0)	1880	1.41E-11	(.6	0.0)	1885	1.36E-11	(.6	0.0)	1890	1.26E-11	(.5	0.0)
1900U	1.10E-11	(.5	0.0)	1905	1.17E-11	(.5	0.0)	1910	1.19E-11	(.5	0.0)	1915	1.24E-11	(.5	0.0)
1925	1.22E-11	(.6	0.0)	1930	1.31E-11	(.6	0.0)	1935	1.23E-11	(.6	0.0)	1940	1.10E-11	(.5	0.0)
1950	1.12E-11	(.6	0.0)	1955	1.14E-11	(.6	0.0)	1960	1.13E-11	(.6	0.0)	1965	1.18E-11	(.7	0.0)
1975	1.20E-11	(.8	0.0)	1980	1.26E-11	(.9	0.0)	1985	1.09E-11	(.8	0.0)	1990	1.06E-11	(.7	0.0)
2000	1.11E-11	(.8	0.0)	2005	1.05E-11	(.9	0.0)	2010	1.08E-11	(.9	0.0)	2015	1.09E-11	(.7	0.0)
2025	1.13E-11	(.9	0.0)	2030	1.09E-11	(.9	0.0)	2035	1.09E-11	(.9	0.0)	2040	1.05E-11	(.9	0.0)
2050	1.13E-11	(.9	0.0)	2055	1.13E-11	(.9	0.0)	2060	1.14E-11	(.9	0.0)	2065	1.12E-11	(.9	0.0)
2075	1.16E-11	(.9	0.0)	2080	1.14E-11	(.9	6.1)	2085	1.09E-11	(.9	8.6)	2090	1.05E-11	(.9	10.9)
2100	1.01E-11	(1.0	4.3)	2105	1.06E-11	(1.0	3.8)	2110	1.11E-11	(1.0	6.5)	2115	1.12E-11	(1.1	8.3)
2125	1.17E-11	(1.2	15.5)	2130	1.20E-11	(1.3	14.4)	2135	1.19E-11	(1.3	12.5)	2140	1.16E-11	(1.4	15.6)
2150	1.15E-11	(1.5	12.8)	2155	1.11E-11	(1.5	7.2)	2160	1.06E-11	(1.5	9.7)	2165	1.06E-11	(1.5	12.7)
2175	1.08E-11	(1.7	10.5)	2180	1.10E-11	(1.7	10.8)	2185	1.12E-11	(2.1	13.5)	2190	1.16E-11	(2.1	14.4)
2200	1.07E-11	(1.7	10.5)	2205	1.09E-11	(1.7	10.5)	2210	1.00E-11	(2.0	4.0)	2215	1.02E-11	(2.1	4.0)
2225	1.06E-11	(2.4	12.2)	2230	1.08E-11	(2.5	11.7)	2235	1.07E-11	(2.6	8.0)	2240	1.04E-11	(2.5	3.4)
2250	9.99E-12	(2.5	1.4)	2255	1.01E-11	(2.5	1.4)	2260	1.04E-11	(2.5	1.4)	2265	1.06E-11	(2.5	3.4)
2275	1.07E-11	(2.5	11.0)	2280	1.07E-11	(2.5	10.1)	2285	1.08E-11	(2.6	7.3)	2290	1.08E-11	(2.8	5.2)
2300	1.08E-11	(2.8	8.7)	2305	1.09E-11	(2.8	8.7)	2310	1.09E-11	(2.8	6.7)	2315	1.08E-11	(2.8	6.7)
2330	1.08E-11	(2.8	8.4)	2330	1.09E-11	(2.8	6.8)	2330	1.06E-11	(2.8	8.0)	2330	1.03E-11	(2.8	3.1)
2340	1.04E-11	(2.7	9.7)	2340	1.03E-11	(2.8	5.2)	2370	1.01E-11	(2.8	2.9)	2380	1.03E-11	(2.8	4.9)
2400	9.86E-12	(2.8	3.0)	2410	9.90E-12	(2.8	6.6)	2420	1.02E-11	(2.8	8.1)	2430	1.03E-11	(2.8	4.3)
2450	1.06E-11	(2.8	2.3)	2460	1.10E-11	(2.8	2.9)	2470	1.09E-11	(2.8	3.8)	2480	1.05E-11	(2.8	4.4)
2500	1.07E-11	(2.8	5.7)	2510	1.07E-11	(2.8	3.9)	2520	1.05E-11	(2.8	2.2)	2530	1.02E-11	(2.8	1.0)
2550	1.04E-11	(2.8	4.1)	2560	1.05E-11	(2.8	3.5)	2570	1.07E-11	(2.8	4.0)	2580	1.09E-11	(2.8	6.5)
2600	1.12E-11	(2.8	5.1)	2610	1.11E-11										

X, Y (MM)	14.0 - -13.4	SL3- 19	17 SCANS, T= 265	32 CYG	WT .9, SCALE .74
X, Y (MM)	14.0 -13.4	SL3- 20	12 SCANS, T= 78	32 CYG	WT .9, SCALE .94
X, Y (MM)	-7.6 9.4	SL2- 16	10 SCANS, T= 77	32 CYG	WT 1.0, SCALE 1.24

R = <1:05>

$$R = (0.93) \pm$$

P CYG

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X,Y(MM)      .7  -4.2    SL3-255    15 SCANS, T= 222 P CYG      WT  .9,SCALE  .77
X,Y(MM)      .7  -4.2    SL3-256     1 SCANS, T= 270 P CYG      WT  .2,SCALE 3.34

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R = 1.30:

LAMBDA, F (WT, SIG)	F - AVE FLUX FROM LAM-DEL/2 TO LAM+DEL/2				
1850, 3.14E-11(1.7 26.0)	1855, 3.23E-11(1.7 21.8)	1860, 3.04E-11(1.8 24.7)	1865, 3.08E-11(1.8 24.4)	1870, 3.17E-11(1.8 21.0)	
1875, 3.07E-11(1.9 22.8)	1880, 2.95E-11(1.9 22.5)	1885, 3.02E-11(1.9 21.0)	1890, 3.06E-11(1.0 25.8)	1895, 3.19E-11(1.0 27.4)	
1900, 3.10E-11(1.1 28.6)	1905, 3.27E-11(1.1 25.4)	1910, 3.29E-11(1.2 24.3)	1915, 3.05E-11(1.2 27.5)	1920, 3.00E-11(1.2 23.3)	
1925, 2.81E-11(1.2 15.9)	1930, 2.68E-11(1.3 14.0)	1935, 2.90E-11(1.4 17.1)	1940, 2.82E-11(1.5 17.4)	1945, 2.63E-11(1.5 12.8)	
1950, 2.77E-11(1.6 12.9)	1955, 2.94E-11(1.6 20.7)	1960, 2.99E-11(1.6 23.4)	1965, 2.87E-11(1.6 22.5)	1970, 2.90E-11(1.6 20.5)	
1975, 2.81E-11(1.7 20.4)	1980, 2.66E-11(1.7 22.5)	1985, 2.63E-11(1.7 17.6)	1990, 2.62E-11(1.7 12.5)	1995, 2.51E-11(1.7 13.7)	
2000, 2.41E-11(1.7 16.4)	2005, 2.41E-11(1.7 17.5)	2010, 2.48E-11(1.7 14.9)	2015, 2.43E-11(1.7 15.6)	2020, 2.39E-11(1.7 16.4)	
2025, 2.42E-11(1.7 13.7)	2030, 2.37E-11(1.7 14.7)	2035, 2.33E-11(1.7 15.4)	2040, 2.37E-11(1.7 16.9)	2045, 2.40E-11(1.7 17.6)	
2050, 2.43E-11(1.7 13.7)	2055, 2.43E-11(1.7 10.7)	2060, 2.41E-11(1.7 8.0)	2065, 2.38E-11(1.7 6.1)	2070, 2.41E-11(1.7 7.6)	
2075, 2.44E-11(1.7 9.6)	2080, 2.44E-11(1.7 10.8)	2085, 2.46E-11(1.7 11.5)	2090, 2.45E-11(1.7 11.2)	2095, 2.41E-11(1.7 9.8)	
2100, 2.34E-11(1.7 8.7)	2105, 2.31E-11(1.7 8.5)	2110, 2.30E-11(1.7 10.3)	2115, 2.31E-11(1.7 11.5)	2120, 2.25E-11(1.7 11.0)	
2125, 2.16E-11(1.7 9.3)	2130, 2.10E-11(1.7 7.4)	2135, 2.08E-11(1.7 5.9)	2140, 2.09E-11(1.7 4.8)	2145, 2.11E-11(1.7 3.3)	
2150, 2.12E-11(1.7 3.2)	2155, 2.11E-11(1.7 5.2)	2160, 2.05E-11(1.7 5.8)	2165, 1.99E-11(1.7 4.0)	2170, 1.99E-11(1.7 2.8)	
2175, 2.02E-11(1.7 3.6)	2180, 2.01E-11(1.7 3.4)	2185, 2.00E-11(1.7 3.0)	2190, 1.97E-11(1.7 4.1)	2195, 1.93E-11(1.7 4.2)	
2200, 1.87E-11(1.7 2.2)	2205, 1.84E-11(1.7 3.3)	2210, 1.85E-11(1.7 1.7)	2215, 1.86E-11(1.7 1.2)	2220, 1.86E-11(1.7 9.9)	
2225, 1.87E-11(1.7 2.7)	2230, 1.87E-11(1.7 4.3)	2235, 1.88E-11(1.7 5.6)	2240, 1.87E-11(1.7 6.4)	2245, 1.84E-11(1.7 6.4)	
2250, 1.79E-11(1.7 6.0)	2255, 1.77E-11(1.7 5.3)	2260, 1.78E-11(1.7 5.5)	2265, 1.81E-11(1.7 6.9)	2270, 1.83E-11(1.7 8.1)	
2275, 1.82E-11(1.7 7.9)	2280, 1.79E-11(1.7 6.9)	2285, 1.76E-11(1.7 5.8)	2290, 1.76E-11(1.7 3.4)	2295, 1.75E-11(1.7 2.4)	
2300, 1.74E-11(1.7 1.9)	2305, 1.72E-11(1.7 2.2)	2310, 1.70E-11(1.7 2.2)	2315, 1.69E-11(1.7 2.4)	2320, 1.68E-11(1.7 1.9)	
2325, 1.57E-11(1.7 3.3)	2330, 1.54E-11(1.7 6.1)	2335, 1.56E-11(1.7 1.4)	2340, 1.56E-11(1.7 2.3)	2345, 1.55E-11(1.7 1.3)	
2400, 1.54E-11(1.7 1.0)	2410, 1.57E-11(1.7 2.0)	2420, 1.58E-11(1.7 3.4)	2430, 1.55E-11(1.7 4.2)	2440, 1.57E-11(1.7 2.7)	
2450, 1.62E-11(1.7 1.1)	2460, 1.63E-11(1.7 1.7)	2470, 1.59E-11(1.7 1.1)	2480, 1.59E-11(1.7 3.3)	2490, 1.62E-11(1.7 2.2)	
2500, 1.63E-11(1.7 1.2)	2510, 1.61E-11(1.7 1.6)	2520, 1.55E-11(1.7 2.9)	2530, 1.52E-11(1.7 2.8)	2540, 1.56E-11(1.7 1.4)	
2550, 1.57E-11(1.7 8.8)	2560, 1.59E-11(1.7 3.1)	2570, 1.62E-11(1.7 5.6)	2580, 1.64E-11(1.7 6.3)	2590, 1.66E-11(1.7 4.5)	
2600, 1.71E-11(1.7 4.1)	2610, 1.77E-11(1.7 6.2)	2620, 1.83E-11(1.7 8.4)	2630, 1.87E-11(1.7 8.9)	2640, 1.89E-11(1.7 8.9)	
2650, 1.89E-11(1.6 10.0)	2660, 1.84E-11(1.7 11.9)	2670, 1.81E-11(1.7 13.3)	2680, 1.80E-11(1.7 13.9)	2690, 1.80E-11(1.7 13.9)	
2700, 1.82E-11(1.6 13.5)	2710, 1.82E-11(1.6 12.4)	2720, 1.81E-11(1.6 10.5)	2730, 1.81E-11(1.6 8.1)	2740, 1.81E-11(1.6 7.3)	
2750, 1.82E-11(1.6 7.8)	2760, 1.81E-11(1.6 9.1)	2770, 1.79E-11(1.6 10.2)	2780, 1.78E-11(1.6 10.0)	2790, 1.78E-11(1.6 8.9)	
2800, 1.79E-11(1.6 7.8)	2810, 1.80E-11(1.6 7.2)	2820, 1.81E-11(1.5 7.8)	2830, 1.83E-11(1.5 8.3)	2840, 1.85E-11(1.5 9.1)	
2850, 1.86E-11(1.5 9.8)	2860, 1.87E-11(1.5 10.1)	2870, 1.88E-11(1.5 9.8)	2880, 1.91E-11(1.5 9.0)	2890, 1.94E-11(1.5 8.5)	
2900, 1.96E-11(1.5 8.5)	2910, 1.97E-11(1.5 8.0)	2920, 1.97E-11(1.5 7.0)	2930, 1.98E-11(1.4 6.0)	2940, 1.98E-11(1.4 5.7)	
2950, 2.00E-11(1.4 6.7)	2960, 2.02E-11(1.4 7.4)	2970, 2.03E-11(1.4 7.9)	2980, 2.04E-11(1.4 6.9)	2990, 2.03E-11(1.4 5.5)	
3000, 2.02E-11(1.4 4.3)	3010, 2.03E-11(1.4 3.9)	3020, 2.03E-11(1.4 3.4)	3030, 2.04E-11(1.4 3.2)	3040, 2.02E-11(1.4 2.9)	
3050, 2.03E-11(1.4 4.5)	3060, 2.03E-11(1.4 3.4)	3070, 2.01E-11(1.3 2.9)	3080, 2.00E-11(1.3 1.9)	3090, 2.00E-11(1.3 1.9)	
3100, 1.98E-11(1.3 4.7)	3110, 2.01E-11(1.3 2.9)	3120, 2.01E-11(1.2 1.0)	3130, 2.02E-11(1.2 1.7)	3140, 2.00E-11(1.2 1.7)	
3200, 1.98E-11(1.3 9.9)	3210, 1.91E-11(1.2 1.1)	3220, 1.91E-11(1.2 1.1)	3230, 1.90E-11(1.2 2.0)	3240, 1.88E-11(1.2 4.5)	
3300, 1.94E-11(1.2 1.2)	3310, 1.91E-11(1.2 1.1)	3320, 1.91E-11(1.2 1.1)	3330, 1.88E-11(1.2 4.5)	3340, 1.85E-11(1.2 7.2)	
3400, 1.81E-11(1.2 8.8)	3410, 1.78E-11(1.2 8.3)	3420, 1.77E-11(1.2 6.7)	3430, 1.75E-11(1.2 6.1)	3440, 1.71E-11(1.2 5.5)	
3500, 1.64E-11(1.2 4.5)	3510, 1.58E-11(1.3 3.5)	3520, 1.52E-11(1.3 3.0)	3530, 1.48E-11(1.3 3.8)	3540, 1.45E-11(1.3 3.7)	
3600, 1.46E-11(1.3 3.7)	3610, 1.50E-11(1.3 3.2)	3620, 1.50E-11(1.3 3.2)	3630, 1.60E-11(1.2 2.0)	3640, 1.60E-11(1.2 2.0)	
3700, 1.67E-11(1.2 1.5)	3710, 1.71E-11(1.1 3.3)	3720, 1.71E-11(1.1 3.3)	3730, 1.77E-11(1.1 1.8)	3740, 1.77E-11(1.1 1.8)	
3800, 1.99E-11(1.0 10.1)	3810, 2.05E-11(1.0 11.2)	3820, 2.05E-11(1.0 11.2)	3830, 2.10E-11(1.0 11.4)	3840, 2.10E-11(1.0 11.4)	
3900E, 2.24E-11(1.0 9.4)	3910E, 2.28E-11(1.0 8.6)	3920E, 2.28E-11(1.0 8.6)	3930E, 2.29E-11(1.0 7.7)	3940E, 2.29E-11(1.0 7.7)	
4000, 2.35E-11(1.0 4.5)	4010, 2.38E-11(1.1 4.1)	4020, 2.38E-11(1.1 4.1)	4030, 2.40E-11(1.1 4.2)	4040, 2.40E-11(1.1 4.2)	
4100, 2.45E-11(1.1 4.9)	4110, 2.46E-11(1.1 4.3)	4120, 2.46E-11(1.1 4.3)	4130, 2.47E-11(1.2 3.1)	4140, 2.47E-11(1.2 3.1)	
135, 0.00(0.0 0.0)	139, 0.00(0.0 0.0)	148, 0.00(0.0 0.0)	154, 0.00(0.0 0.0)	161, 0.00(0.0 0.0)	
166, 0.00(0.0 0.0)	172, 0.00(0.0 0.0)	181, 0.00(0.0 0.0)	192, 5.22(1.3 21.8)	204, 5.43(1.7 13.8)	
219, 5.67(1.7 5.1)	245, 5.90(1.7 1.4)	280, 5.71(1.5 8.7)	360, 5.77(1.2 0.0)	0, 0.00(0.0 0.0)	

X,Y(MM) 4.9 -13.2 SL2- 12 20 SCANS, T= 221 36 CYG WT .9,SCALE 1.09

X,Y(MM) 7.6 -10.5 SL3-255 17 SCANS, T= 222 36 CYG WT .9,SCALE .91

R = (1.04)

HR 7777

R = 1.07

X, Y (MM) - .9 -15.6 SL3-255 15 SCANS, T= 222 HR 7807 WT .9, SCALE 1.00

$$R = 0.93$$

HD 197345

ALF CYG

HD 197345

LAMBDA, F (WT, SIG)	F = AVE FLUX	FROM LAM-DEL/2	TO LAM+DEL/2
1420U 1.69E-10(1.0 0.0)	1422U 1.47E-10(1.0 0.0)	1424U 1.21E-10(1.0 0.0)	1426U 1.46E-10(1.0 0.0)
1430U 1.16E-10(1.0 0.0)	1432U 4.71E-11(1.0 0.0)	1434U 5.17E-11(1.0 0.0)	1436U 9.05E-11(1.0 0.0)
1440U 1.32E-10(1.0 0.0)	1442U 1.38E-10(1.0 0.0)	1444U 8.32E-11(1.0 0.0)	1446U 1.01E-10(1.0 0.0)
1450U 1.50E-10(1.0 0.0)	1452U 1.63E-10(1.0 0.0)	1454U 2.02E-10(1.0 0.0)	1456U 2.49E-10(1.0 0.0)
1460U 1.86E-10(1.0 0.0)	1462U 2.12E-10(1.0 0.0)	1464U 1.93E-10(1.0 0.0)	1466U 2.03E-10(1.0 0.0)
1470U 1.80E-10(1.0 0.0)	1472U 1.79E-10(1.0 0.0)	1474U 1.77E-10(1.0 0.0)	1476U 2.18E-10(1.0 0.0)
1480U 2.61E-10(1.0 0.0)	1482U 2.38E-10(1.0 0.0)	1484U 2.24E-10(1.0 0.0)	1486U 2.30E-10(1.0 0.0)
1490U 2.80E-10(1.0 0.0)	1492U 2.64E-10(1.0 0.0)	1494U 2.60E-10(1.0 0.0)	1496U 2.62E-10(1.0 0.0)
1500U 2.94E-10(1.0 0.0)	1502U 2.83E-10(1.0 0.0)	1504U 3.00E-10(1.0 0.0)	1506U 2.95E-10(1.0 0.0)
1510U 2.62E-10(1.0 0.0)	1512U 2.47E-10(1.0 0.0)	1514U 2.58E-10(1.0 0.0)	1516U 2.61E-10(1.0 0.0)
1520U 2.64E-10(1.0 0.0)	1522U 2.57E-10(1.0 0.0)	1524U 2.62E-10(1.0 0.0)	1526U 2.72E-10(1.0 0.0)
1530U 2.58E-10(1.0 0.0)	1532U 2.88E-10(1.0 0.0)	1534U 3.11E-10(1.0 0.0)	1536U 3.15E-10(1.0 0.0)
1540U 2.90E-10(1.0 0.0)	1542U 2.95E-10(1.0 0.0)	1544U 2.98E-10(1.0 0.0)	1546U 2.87E-10(1.0 0.0)
1550U 2.84E-10(1.0 0.0)	1552U 2.75E-10(1.0 0.0)	1554U 2.65E-10(1.0 0.0)	1556U 2.60E-10(1.0 0.0)
1560U 2.21E-10(1.0 0.0)	1562U 2.24E-10(1.0 0.0)	1564U 2.33E-10(1.0 0.0)	1566U 2.44E-10(1.0 0.0)
1570U 2.58E-10(1.0 0.0)	1572U 2.47E-10(1.0 0.0)	1574U 2.61E-10(1.0 0.0)	1576U 2.39E-10(1.0 0.0)
1580U 2.78E-10(1.0 0.0)	1582U 3.09E-10(1.0 0.0)	1584U 3.04E-10(1.0 0.0)	1586U 3.19E-10(1.0 0.0)
1590U 3.61E-10(1.0 0.0)	1592U 3.76E-10(1.0 0.0)	1594U 3.66E-10(1.0 0.0)	1596U 3.58E-10(1.0 0.0)
1600U 3.69E-10(1.0 0.0)	1602U 3.64E-10(1.0 0.0)	1604U 3.46E-10(1.0 0.0)	1606U 3.23E-10(1.0 0.0)
1610U 2.81E-10(1.0 0.0)	1612U 2.89E-10(1.0 0.0)	1614U 3.14E-10(1.0 0.0)	1616U 3.14E-10(1.0 0.0)
1620U 3.28E-10(1.0 0.0)	1622U 3.32E-10(1.0 0.0)	1624U 3.24E-10(1.0 0.0)	1626U 3.26E-10(1.0 0.0)
1630U 3.21E-10(1.0 0.0)	1632U 3.04E-10(1.0 0.0)	1634U 3.06E-10(1.0 0.0)	1636U 3.11E-10(1.0 0.0)
1640U 3.11E-10(1.0 0.0)	1642U 3.07E-10(1.0 0.0)	1644U 2.97E-10(1.0 0.0)	1646U 2.80E-10(1.0 0.0)
1650U 2.92E-10(1.0 0.0)	1652U 3.32E-10(1.0 0.0)	1654U 3.54E-10(1.0 0.0)	1656U 3.47E-10(1.0 0.0)
1660U 3.01E-10(1.0 0.0)	1662U 3.11E-10(1.0 0.0)	1664U 3.39E-10(1.0 0.0)	1666U 3.69E-10(1.0 0.0)
1670U 3.95E-10(1.0 0.0)	1672U 4.09E-10(1.0 0.0)	1674U 4.12E-10(1.0 0.0)	1676U 3.91E-10(1.0 0.0)
1680U 3.71E-10(1.0 0.0)	1682U 3.77E-10(1.0 0.0)	1684U 3.92E-10(1.0 0.0)	1686U 3.96E-10(1.0 0.0)
1690U 4.02E-10(1.0 0.0)	1692U 4.09E-10(1.0 0.0)	1694U 4.16E-10(1.0 0.0)	1696U 4.21E-10(1.0 0.0)
1700U 4.09E-10(1.0 0.0)	1702U 4.12E-10(1.0 0.0)	1704U 4.18E-10(1.0 0.0)	1706U 4.17E-10(1.0 0.0)
1710U 4.19E-10(1.0 0.0)	1712U 4.14E-10(1.0 0.0)	1714U 4.01E-10(1.0 0.0)	1716U 3.92E-10(1.0 0.0)
1720U 3.96E-10(1.0 0.0)	1722U 4.13E-10(1.0 0.0)	1724U 4.32E-10(1.0 0.0)	1726U 4.38E-10(1.0 0.0)
1730U 4.54E-10(1.0 0.0)	1732U 4.67E-10(1.0 0.0)	1734U 4.68E-10(1.0 0.0)	1736U 4.66E-10(1.0 0.0)
1740U 4.63E-10(1.0 0.0)	1742U 4.71E-10(1.0 0.0)	1744U 4.68E-10(1.0 0.0)	1746U 4.61E-10(1.0 0.0)
1750U 5.33E-10(1.0 0.0)	1752U 5.34E-10(1.0 0.0)	1754U 5.42E-10(1.0 0.0)	1756U 5.50E-10(1.0 0.0)
1760U 5.66E-10(1.0 0.0)	1762U 5.76E-10(1.0 0.0)	1764U 5.72E-10(1.0 0.0)	1766U 5.55E-10(1.0 0.0)
1770U 5.49E-10(1.0 0.0)	1772U 5.56E-10(1.0 0.0)	1774U 5.58E-10(1.0 0.0)	1776U 5.56E-10(1.0 0.0)
1780U 5.78E-10(1.0 0.0)	1782U 5.99E-10(1.0 0.0)	1784U 6.13E-10(1.0 0.0)	1786U 6.20E-10(1.0 0.0)
1790U 6.24E-10(1.0 0.0)	1792U 6.32E-10(1.0 0.0)	1794U 6.49E-10(1.0 0.0)	1796U 6.77E-10(1.0 0.0)
1800U 7.27E-10(1.0 0.0)	1802U 7.34E-10(1.0 0.0)	1804U 7.37E-10(1.0 0.0)	1806U 7.37E-10(1.0 0.0)
1810U 7.37E-10(1.0 0.0)	1812U 7.33E-10(1.0 0.0)	1814U 7.07E-10(1.0 0.0)	1816U 7.28E-10(1.0 0.0)
1820U 7.10E-10(1.0 0.0)	1822U 6.96E-10(1.0 0.0)	1824U 6.75E-10(1.0 0.0)	1826U 6.65E-10(1.0 0.0)
1800U 7.26E-10(1.0 0.0)	1805U 7.41E-10(1.0 0.0)	1810U 7.38E-10(1.0 0.0)	1815U 7.32E-10(1.0 0.0)
1825U 6.71E-10(1.0 0.0)	1830U 6.63E-10(1.0 0.0)	1835U 6.37E-10(1.0 0.0)	1840U 6.16E-10(1.0 0.0)
1850U 5.87E-10(1.0 0.0)	1855U 5.61E-10(1.0 0.0)	1860U 5.46E-10(1.0 0.0)	1865U 5.51E-10(1.0 0.0)
1875U 6.09E-10(1.0 0.0)	1880U 6.25E-10(1.0 0.0)	1885U 6.27E-10(1.0 0.0)	1890U 6.32E-10(1.0 0.0)
1900U 6.37E-10(1.0 0.0)	1905U 6.47E-10(1.0 0.0)	1910U 6.12E-10(1.0 0.0)	1915U 6.09E-10(1.0 0.0)
1925U 6.32E-10(1.0 0.0)	1930U 6.57E-10(1.0 0.0)	1935U 6.70E-10(1.0 0.0)	1940U 6.65E-10(1.0 0.0)
1950U 7.40E-10(1.0 0.0)	1955U 7.57E-10(1.0 0.0)	1960U 7.70E-10(1.0 0.0)	1965U 7.85E-10(1.0 0.0)
1975U 8.39E-10(1.0 0.0)	1980U 8.32E-10(1.0 0.0)	1985U 7.95E-10(1.0 0.0)	1990U 7.70E-10(1.0 0.0)
2000U 7.14E-10(1.0 0.0)	2005U 6.70E-10(1.0 0.0)	2010U 6.42E-10(1.0 0.0)	2015U 6.30E-10(1.0 0.0)
2025U 5.84E-10(1.0 0.0)	2030U 5.75E-10(1.0 0.0)	2035U 5.93E-10(1.0 0.0)	2040U 6.11E-10(1.0 0.0)
2050U 6.31E-10(1.0 0.0)	2055U 6.30E-10(1.0 0.0)	2060U 6.16E-10(1.0 0.0)	2065U 6.11E-10(1.0 0.0)
2075U 6.40E-10(1.0 0.0)	2080U 6.67E-10(1.0 0.0)	2085U 6.75E-10(1.0 0.0)	2090U 6.61E-10(1.0 0.0)
2100U 6.41E-10(1.0 0.0)	2105U 6.44E-10(1.0 0.0)	2110U 6.70E-10(1.0 0.0)	2115U 6.70E-10(1.0 0.0)
2125U 6.11E-10(1.0 0.0)	2130U 5.77E-10(1.0 0.0)	2135U 5.63E-10(1.0 0.0)	2140U 5.63E-10(1.0 0.0)
2150U 5.58E-10(1.0 0.0)	2155U 5.65E-10(1.0 0.0)	2160U 5.81E-10(1.0 0.0)	2165U 5.93E-10(1.0 0.0)
2175U 6.06E-10(1.0 0.0)	2180U 6.16E-10(1.0 0.0)	2185U 6.17E-10(1.0 0.0)	2190U 6.11E-10(1.0 0.0)
2200U 6.17E-10(1.0 0.0)	2205U 6.03E-10(1.0 0.0)	2210U 5.78E-10(1.0 0.0)	2215U 5.54E-10(1.0 0.0)
2225U 5.36E-10(1.0 0.0)	2230U 5.26E-10(1.0 0.0)	2235U 5.07E-10(1.0 0.0)	2240U 4.91E-10(1.0 0.0)
2250U 4.67E-10(1.0 0.0)	2255U 4.58E-10(1.0 0.0)	2260U 4.60E-10(1.0 0.0)	2265U 4.75E-10(1.0 0.0)
2275U 5.12E-10(1.0 0.0)	2280U 5.23E-10(1.0 0.0)	2285U 5.34E-10(1.0 0.0)	2290U 5.45E-10(1.0 0.0)
2300U 5.47E-10(1.0 0.0)	2305U 5.39E-10(1.0 0.0)	2310U 5.27E-10(1.0 0.0)	2315U 5.12E-10(1.0 0.0)
2330U 5.47E-10(1.0 0.0)	2335U 5.27E-10(1.0 0.0)	2340U 4.95E-10(1.0 0.0)	2345U 4.69E-10(1.0 0.0)
2350U 4.55E-10(1.0 0.0)	2355U 4.54E-10(1.0 0.0)	2360U 4.48E-10(1.0 0.0)	2365U 4.36E-10(1.0 0.0)
2400U 4.34E-10(1.0 0.0)	2405U 4.57E-10(1.0 0.0)	2410U 4.73E-10(1.0 0.0)	2415U 4.88E-10(1.0 0.0)
2450U 5.38E-10(1.0 0.0)	2455U 5.39E-10(1.0 0.0)	2460U 5.40E-10(1.0 0.0)	2465U 5.47E-10(1.0 0.0)
2500U 5.67E-10(1.0 0.0)	2505U 5.80E-10(1.0 0.0)	2510U 5.90E-10(1.0 0.0)	2515U 5.87E-10(1.0 0.0)
2550U 6.08E-10(1.0 0.0)	2555U 6.08E-10(1.0 0.0)	2560U 6.32E-10(1.0 0.0)	2565U 6.74E-10(1.0 0.0)
2600U 7.17E-10(1.0 0.0)	2605U 7.13E-10(1.0 0.0)	2610U 7.13E-10(1.0 0.0)	2615U 7.37E-10(1.0 0.0)
2650U 8.25E-10(1.0 0.0)	2655U 8.55E-10(1.0 0.0)	2660U 8.75E-10(1.0 0.0)	2665U 9.09E-10(1.0 0.0)
2700U 9.74E-10(1.0 0.0)	2705U 9.73E-10(1.0 0.0)	2710U 9.61E-10(1.0 0.0)	2715U 9.58E-10(1.0 0.0)
2750U 9.31E-10(1.0 0.0)	2755U 8.97E-10(1.0 0.0)	2760U 8.81E-10(1.0 0.0)	2765U 8.85E-10(1.0 0.0)
2800U 9.48E-10(1.0 0.0)	2805U 1.03E-09(1.0 0.0)	2810U 1.15E-09(1.0 0.0)	2815U 1.28E-09(1.0 0.0)
2850U 1.40E-09(1.0 0.0)	2855U 1.44E-09(1.0 0.0)	2860U 1.48E-09(1.0 0.0)	2865U 1.51E-09(1.0 0.0)
2900U 1.52E-09(1.0 0.0)	2905U 1.54E-09(1.0 0.0)	2910U 1.60E-09(1.0 0.0)	2915U 1.68E-09(1.0 0.0)
2950U 1.71E-09(1.0 0.0)	2955U 1.71E-09(1.0 0.0)	2960U 1.77E-09(1.0 0.0)	2965U 1.88E-09(1.0 0.0)
3000U 1.99E-09(1.0 0.0)	3005U 2.12E-09(1.0 0.0)	3010U 2.09E-09(1.0 0.0)	3015U 1.95E-09(1.0 0.0)
3000E 1.99E-09(1.0 0.0)	3020E 2.07E-09(1.0 0.0)	3040E 1.78E-09(1.0 0.0)	3060E 1.72E-09(1.0 0.0)
3100E 1.63E-09(1.0 0.0)	3120E 1.80E-09(1.0 0.0)	3140E 2.26E-09(1.0 0.0)	3160E 2.50E-09(1.0 0.0)
135, 0.00(0.0 0.0)	139, 0.00(0.0 0.0)	148U 3.01(5.0 0.0)	154, 2.80(1.0 0.0)
166, 2.54(1.7 7.3)	172, 2.25(2.1 1.6)	181, 1.86(2.5 1.4)	192, 1.83(2.4 1.2)
219, 2.03(1.6 4.0)	245E 2.08(1.0 7.2)	280E 1.13(3.6 5.5)	360, 0.00(0.0 0.0)
X,Y(MM) -12.0 -5.8 SL3- 21	24 SCANS, T= 225	ALF CYG	WT 1.0, SCALE .66
X,Y(MM) -12.0 -5.8 SL3- 22	22 SCANS, T= 77	ALF CYG	WT 1.0, SCALE 1.07
X,Y(MM) -12.0 -5.8 SL3- 23	23 SCANS, T= 28	ALF CYG	WT 1.0, SCALE 1.34

R = 0.91

R - 1.10:



LAMBDA	F	(WT, SIG)	F = AVE FLUX FROM LAM-DEL/2 TO LAM+DEL/2
15200	1.83E-10	(3.0)	15220 1.75E-10(3.0)
15300	1.08E-10	(1.0)	15320 1.04E-10(1.0)
15400	1.08E-10	(1.0)	15420 1.15E-10(1.0)
15500	1.75E-10	(4.0)	15520 1.75E-10(4.0)
15600	1.63E-10	(4.0)	15620 1.67E-10(4.0)
15700	1.48E-10	(4.0)	15720 1.63E-10(5.0)
15800	1.70E-10	(6.0)	15820 1.74E-10(6.0)
15900	1.52E-10	(6.0)	15920 1.41E-10(5.0)
16000	1.20E-10	(4.0)	16020 1.28E-10(4.0)
16100	1.29E-10	(4.0)	16120 1.23E-10(4.0)
16200	1.16E-10	(4.0)	16220 1.23E-10(5.0)
16300	1.32E-10	(6.0)	16320 1.45E-10(7.2)
16400	1.43E-10	(8.9)	16420 1.52E-10(9.1)
16500	1.60E-10	(15.5)	16520 1.66E-10(12.0)
16600	1.57E-10	(13.3)	16620 1.55E-10(16.3)
16700	1.31E-10	(13.6)	16720 1.42E-10(17.1)
16800	1.40E-10	(15.0)	16820 1.45E-10(20.2)
16900	1.46E-10	(22.3)	16920 1.47E-10(23.1)
17000	1.35E-10	(23.3)	17020 1.31E-10(24.8)
17100	1.32E-10	(24.3)	17120 1.31E-10(25.8)
17200	1.30E-10	(24.3)	17220 1.25E-10(24.7)
17300	1.31E-10	(26.1)	17320 1.29E-10(26.3)
17400	1.31E-10	(26.6)	17420 1.33E-10(26.3)
17500	1.33E-10	(26.6)	17520 1.32E-10(26.6)
17600	1.32E-10	(28.8)	17620 1.34E-10(28.6)
17700	1.27E-10	(27.4)	17720 1.27E-10(27.4)
17800	1.27E-10	(29.3)	17820 1.23E-10(29.3)
17900	1.17E-10	(27.2)	17920 1.15E-10(27.5)
18000	1.14E-10	(27.6)	18020 1.12E-10(27.7)
18100	1.13E-10	(27.7)	18120 1.12E-10(27.9)
18200	1.09E-10	(27.7)	18220 1.08E-10(27.7)
18300	1.14E-10	(27.6)	18320 1.14E-10(27.7)
18400	1.11E-10	(28.7)	18420 1.15E-10(30.2)
18500	1.10E-10	(29.7)	18520 1.06E-10(29.6)
18600	9.49E-11	(30.6)	18620 9.71E-11(30.7)
18700	9.11E-11	(30.6)	18720 9.11E-11(30.6)
18800	8.95E-11	(30.3)	18820 8.67E-11(30.4)
18900	8.25E-11	(30.8)	18920 7.79E-11(30.0)
19000	7.77E-11	(30.0)	19020 7.63E-11(30.0)
19100	7.48E-11	(29.2)	19120 7.18E-11(29.1)
19200	6.52E-11	(29.6)	19220 6.76E-11(29.3)
19300	5.96E-11	(29.3)	19320 5.81E-11(29.5)
19400	5.94E-11	(29.3)	19420 5.61E-11(29.5)
19500	5.14E-11	(28.8)	19520 5.10E-11(28.8)
19600	5.24E-11	(28.8)	19620 5.12E-11(28.8)
19700	5.21E-11	(28.8)	19720 5.16E-11(28.8)
19800	4.91E-11	(28.8)	19820 4.91E-11(28.8)
19900	4.87E-11	(27.7)	19920 4.94E-11(27.7)
20000	5.12E-11	(27.2)	20020 5.14E-11(27.2)
20100	5.12E-11	(27.2)	20120 5.05E-11(27.6)
20200	5.07E-11	(26.8)	20220 5.05E-11(26.8)
20300	5.26E-11	(26.8)	20320 5.26E-11(26.8)
20400	5.26E-11	(26.8)	20420 5.26E-11(26.8)
20500	5.66E-11	(25.5)	20520 5.66E-11(25.5)
20600	5.77E-11	(25.5)	20620 5.71E-11(25.5)
20700	6.02E-11	(25.5)	20720 6.03E-11(25.5)
20800	6.21E-11	(25.5)	20820 6.21E-11(25.5)
20900	5.88E-11	(25.5)	20920 5.95E-11(25.5)
21000	6.22E-11	(25.5)	21020 6.36E-11(25.5)
21100	6.62E-11	(25.5)	21120 6.56E-11(25.5)
21200	6.23E-11	(25.5)	21220 6.17E-11(25.5)
21300	6.22E-11	(25.5)	21320 6.15E-11(25.5)
21400	6.14E-11	(25.5)	21420 6.25E-11(25.5)
21500	6.12E-11	(25.5)	21520 6.12E-11(25.5)
21600	6.08E-11	(25.5)	21620 6.04E-11(25.5)
21700	5.97E-11	(25.5)	21720 5.92E-11(25.5)
21800	5.71E-11	(25.5)	21820 5.66E-11(25.5)
21900	5.72E-11	(25.5)	21920 5.64E-11(25.5)
22000	5.70E-11	(25.5)	22020 5.69E-11(25.5)
22100	5.75E-11	(25.5)	22120 5.75E-11(25.5)
22200	4.81E-11	(25.5)	22220 4.65E-11(25.5)
22300	4.14E-11	(25.5)	22320 4.00E-11(25.5)
22400	3.42E-11	(25.5)	22420 3.25E-11(25.5)
22500	2.84E-11	(25.5)	22520 2.76E-11(25.5)
22600	2.53E-11	(25.5)	22620 2.48E-11(25.5)
22700	2.33E-11	(25.5)	22720 2.27E-11(25.5)
22800	2.05E-11	(25.5)	22820 2.02E-11(25.5)
22900	1.91E-11	(25.5)	22920 1.89E-11(25.5)
23000	0.00(0.0 0.0)		23020 0.00(0.0 0.0)
23100	3.46(1.5 5.1)		23120 3.61(2.5 16.0)
23200	4.64(2.7 22.2)		23220 4.48(2.1 22.4)
23300	0.00(0.0 0.0)		23320 0.00(0.0 0.0)
23400	3.73(2.8 22.0)		23420 3.73(2.8 22.0)
23500	4.43(1.4 18.7)		23520 4.43(1.4 18.7)
23600	3.60(0.2 0.0)		23620 3.60(0.2 0.0)
23700	4.03(3.0 19.2)		23720 4.03(3.0 19.2)
23800	4.96(1.3 17.6)		23820 4.96(1.3 17.6)
23900	3.60(0.2 0.0)		23920 3.60(0.2 0.0)
24000	4.39(2.9 20.6)		24020 4.39(2.9 20.6)
24100	0.00(0.0 0.0)		24120 0.00(0.0 0.0)

X,Y(MM) 2.7 12.9 SL3- 21 25 SCANS, T= 225 HR 8023 WT 1.0, SCALE .73

X,Y(MM) -2.0 1.8 SL2- 15 22 SCANS, T= 201 HR 8023 WT 1.0, SCALE 1.35

X,Y(MM) 2.7 12.9 SL3- 22 21 SCANS, T= 77 HR 8023 WT 1.0, SCALE .82

LAMBDA	F	(WT. SIG)	F = AVE FLUX	FROM LAM-DEL/2	TO LAM-DEL/2
1350.0	1.50E-10	(0.0 0.0)	1352.6	4.46E-10	(6.0 0.0)
1360.7	2.1E-10	(9.0 0.0)	1362.7	7.00E-10	(9.0 0.0)
1370.5	4.9E-10	(7.0 0.0)	1372.5	5.63E-10	(7.0 0.0)
1380.4	3.32E-10	(6.0 0.0)	1382.4	4.52E-10	(6.0 0.0)
1390.4	3.45E-10	(6.0 0.0)	1392.0	3.06E-10	(5.0 0.0)
1400.4	4.18E-10	(6.0 0.0)	1402.3	3.34E-10	(6.0 0.0)
1410.4	4.95E-10	(9.0 0.0)	1412.4	4.97E-10	(9.0 0.0)
1420.5	5.42E-10	(9.0 0.0)	1422.5	5.71E-10	(9.0 0.0)
1430.5	5.67E-10	(9.0 0.0)	1432.5	5.15E-10	(9.0 0.0)
1440.5	5.73E-10	(9.0 0.0)	1442.5	5.15E-10	(9.0 0.0)
1450.5	5.83E-10	(9.0 0.0)	1452.5	6.12E-10	(9.0 0.0)
1460.5	6.76E-10	(9.0 0.0)	1462.5	5.48E-10	(9.0 0.0)
1470.4	4.96E-10	(9.0 1.7)	1472.5	5.21E-10	(1.0 1.2)
1480.5	5.25E-10	(1.1 3.1)	1482.5	5.28E-10	(1.1 7.5)
1490.5	5.10E-10	(1.3 4.6)	1492.5	5.21E-10	(1.4 5.7)
1500.4	7.79E-10	(1.5 4.7)	1502.4	4.73E-10	(1.6 3.2)
1510.4	5.33E-10	(1.7 5.1)	1512.4	4.47E-10	(1.8 2.6)
1520.4	5.22E-10	(1.9 4.4)	1522.4	3.57E-10	(1.9 2.1)
1530.3	9.0E-10	(1.9 4.4)	1532.3	3.92E-10	(1.9 2.1)
1540.3	3.37E-10	(1.9 7.1)	1542.3	3.23E-10	(1.8 2.7)
1550.2	2.40E-10	(1.6 3.7)	1552.2	2.46E-10	(1.6 3.7)
1560.3	3.41E-10	(1.9 8.5)	1562.3	3.44E-10	(1.9 4.5)
1570.7	3.33E-10	(1.9 2.4)	1572.7	3.28E-10	(1.9 4.5)
1580.3	3.45E-10	(1.9 5.7)	1582.7	3.43E-10	(1.9 6.7)
1590.3	3.56E-10	(1.9 5.1)	1592.7	3.54E-10	(1.9 5.5)
1600.3	3.47E-10	(1.9 11.3)	1602.7	3.38E-10	(1.9 12.0)
1610.3	3.33E-10	(1.9 11.3)	1612.7	3.31E-10	(1.9 7.1)
1620.3	3.43E-10	(1.9 5.5)	1622.3	3.50E-10	(1.9 7.1)
1630.3	3.52E-10	(1.9 5.6)	1632.3	3.61E-10	(1.9 3.3)
1640.3	3.81E-10	(1.9 3.7)	1642.3	3.93E-10	(1.9 4.4)
1650.3	3.87E-10	(1.9 5.3)	1652.3	3.92E-10	(1.9 2.4)
1660.3	3.87E-10	(1.9 1.3)	1662.3	3.85E-10	(1.9 5.5)
1670.4	4.15E-10	(1.9 2.2)	1672.4	4.06E-10	(1.9 2.7)
1680.4	4.03E-10	(1.9 2.2)	1682.4	4.11E-10	(1.9 2.2)
1690.4	4.05E-10	(1.9 3.9)	1692.4	4.18E-10	(1.9 5.3)
1700.3	3.95E-10	(1.9 2.1)	1702.3	3.97E-10	(1.9 2.1)
1710.3	3.78E-10	(2.0 1.8)	1712.3	3.70E-10	(2.0 2.9)
1720.3	3.56E-10	(2.0 5.4)	1722.3	3.47E-10	(2.0 4.9)
1730.3	3.66E-10	(2.0 9.9)	1732.3	3.38E-10	(2.0 7.9)
1740.3	3.42E-10	(2.0 7.5)	1742.3	3.37E-10	(2.0 9.4)
1750.3	3.33E-10	(2.0 3.8)	1752.3	3.28E-10	(2.0 2.5)
1760.3	3.41E-10	(2.0 2.3)	1762.3	3.42E-10	(2.0 3.4)
1770.3	3.33E-10	(2.0 4.8)	1772.3	3.33E-10	(2.0 6.3)
1780.3	3.19E-10	(2.0 1.8)	1782.3	3.05E-10	(2.0 1.3)
1790.3	2.94E-10	(2.0 1.0)	1792.3	2.94E-10	(2.0 3.9)
1800.3	3.08E-10	(2.0 4.7)	1802.3	3.18E-10	(2.0 5.2)
1810.3	3.20E-10	(2.0 10.7)	1812.3	3.17E-10	(2.0 11.5)
1820.3	3.21E-10	(2.0 8.5)	1822.3	3.20E-10	(2.0 7.8)
1800.3	3.08E-10	(2.5 5.2)	1805.3	3.22E-10	(2.5 12.3)
1810.3	3.21E-10	(2.5 8.5)	1810.3	3.19E-10	(2.5 11.0)
1820.3	3.21E-10	(2.5 8.5)	1825.3	3.19E-10	(2.5 7.7)
1830.3	3.21E-10	(2.5 8.5)	1835.3	3.19E-10	(2.5 7.7)
1840.3					

 $R = 1.20$



LAMBDA, F (WT, SIG)	F = AVE FLUX FROM LAM-DEL/2 TO LAM+DEL/2		
1750U, 7.26E-11(.3, 0.0)	1752U, 7.89E-11(.4, 0.0)	1754, 8.69E-11(.5, 0.0)	1756, 9.28E-11(.6, 0.0)
1760, 9.42E-11(.6, 0.0)	1762, 8.94E-11(.6, 0.0)	1764, 9.11E-11(.6, 0.0)	1766, 9.73E-11(.7, 0.0)
1770, 1.08E-10(.8, 0.0)	1772, 1.11E-10(1.0, 0.0)	1774, 1.12E-10(.9, 0.0)	1776, 1.09E-10(.9, 0.0)
1780, 1.07E-10(.9, 0.0)	1782, 1.07E-10(.9, 0.0)	1784, 1.07E-10(1.0, 0.0)	1786, 1.06E-10(1.0, 0.0)
1790, 1.07E-10(1.0, 0.0)	1792, 1.05E-10(1.0, 0.0)	1794, 9.81E-11(.9, 0.0)	1796, 9.08E-11(.8, 0.0)
1800, 8.61E-11(.8, 0.0)	1802, 8.80E-11(.8, 0.0)	1804, 9.13E-11(.9, 0.0)	1806, 9.34E-11(.9, 0.0)
1810, 8.65E-11(.9, 0.0)	1812, 8.31E-11(.9, 0.0)	1814, 8.29E-11(.9, 0.0)	1816, 8.28E-11(.9, 0.0)
1820, 8.35E-11(.9, 0.0)	1822, 8.50E-11(1.0, 0.0)	1824, 8.43E-11(1.0, 0.0)	1826, 8.00E-11(.9, 0.0)
1800, 8.67E-11(.8, 0.0)	1805, 9.20E-11(.8, 0.0)	1810, 8.68E-11(.9, 0.0)	1815, 8.29E-11(.9, 0.0)
1825, 8.19E-11(.8, 0.0)	1830, 7.08E-11(.8, 0.0)	1835, 7.16E-11(.7, 0.0)	1840, 6.71E-11(.7, 0.0)
1850, 5.18E-11(.6, 0.0)	1855, 5.08E-11(.5, 0.0)	1860U, 4.81E-11(.5, 0.0)	1865, 5.09E-11(.5, 0.0)
1875, 4.85E-11(.6, 0.0)	1880, 5.87E-11(.7, 0.0)	1885, 5.73E-11(.8, 0.0)	1890, 6.09E-11(.8, 0.0)
1900, 5.48E-11(.8, 0.0)	1905, 5.61E-11(.8, 0.0)	1910, 5.92E-11(.8, 0.0)	1915, 5.85E-11(.8, 0.0)
1925, 4.71E-11(.7, 0.0)	1930, 4.35E-11(.6, 0.0)	1935, 4.18E-11(.6, 0.0)	1940, 4.26E-11(.6, 0.0)
1950, 4.39E-11(.7, 0.0)	1955, 3.81E-11(.6, 0.0)	1960U, 3.27E-11(.5, 0.0)	1965U, 3.16E-11(.5, 0.0)
1975, 4.00E-11(.7, 0.0)	1980, 3.99E-11(.7, 0.0)	1985, 3.82E-11(.7, 0.0)	1990, 3.68E-11(.7, 0.0)
2000, 3.88E-11(.8, 0.0)	2005, 3.80E-11(.9, 0.0)	2010, 3.87E-11(.9, 0.0)	2015, 4.04E-11(1.0, 0.0)
2025, 4.09E-11(1.0, 0.0)	2030, 4.17E-11(1.0, 0.0)	2035, 4.17E-11(1.0, 0.0)	2040, 4.30E-11(1.0, 0.0)
2050, 4.60E-11(1.0, 0.0)	2055, 4.57E-11(1.0, 0.0)	2060, 4.41E-11(1.0, 0.0)	2065, 4.31E-11(1.0, 0.0)
2075, 4.23E-11(1.0, 0.0)	2080, 4.36E-11(1.0, 0.0)	2085, 4.54E-11(1.0, 0.0)	2090, 4.61E-11(1.0, 0.0)
2100, 4.53E-11(1.0, 0.0)	2105, 4.38E-11(1.0, 0.0)	2110, 4.24E-11(1.0, 0.0)	2115, 4.24E-11(1.0, 0.0)
2125, 4.46E-11(1.0, 0.0)	2130, 4.47E-11(1.0, 0.0)	2135, 4.44E-11(1.0, 0.0)	2140, 4.41E-11(1.0, 0.0)
2150, 4.36E-11(1.0, 0.0)	2155, 4.34E-11(1.0, 0.0)	2160, 4.40E-11(1.0, 0.0)	2165, 4.44E-11(1.0, 0.0)
2175, 4.45E-11(1.0, 0.0)	2180, 4.39E-11(1.0, 0.0)	2185, 4.38E-11(1.0, 0.0)	2190, 4.42E-11(1.0, 0.0)
2200, 4.36E-11(1.0, 0.0)	2205, 4.32E-11(1.0, 0.0)	2210, 4.24E-11(1.0, 0.0)	2215, 4.17E-11(1.0, 0.0)
2225, 4.11E-11(1.0, 0.0)	2230, 4.12E-11(1.0, 0.0)	2235, 4.16E-11(1.0, 0.0)	2240, 4.22E-11(1.0, 0.0)
2250, 4.31E-11(1.0, 0.0)	2255, 4.30E-11(1.0, 0.0)	2260, 4.23E-11(1.0, 0.0)	2265, 4.12E-11(1.0, 0.0)
2275, 4.00E-11(1.0, 0.0)	2280, 3.97E-11(1.0, 0.0)	2285, 3.99E-11(1.0, 0.0)	2290, 4.06E-11(1.0, 0.0)
2300, 3.99E-11(1.0, 0.0)	2305, 3.89E-11(1.0, 0.0)	2310, 3.82E-11(1.0, 0.0)	2315, 3.76E-11(1.0, 0.0)
2330, 3.99E-11(1.0, 0.0)	2330, 3.82E-11(1.0, 0.0)	2330, 3.72E-11(1.0, 0.0)	2330, 3.72E-11(1.0, 0.0)
2350, 3.86E-11(1.0, 0.0)	2350, 3.85E-11(1.0, 0.0)	2350, 3.84E-11(1.0, 0.0)	2350, 3.88E-11(1.0, 0.0)
2400, 3.88E-11(1.0, 0.0)	2410, 3.83E-11(1.0, 0.0)	2420, 3.76E-11(1.0, 0.0)	2430, 3.64E-11(1.0, 0.0)
2450, 3.63E-11(1.0, 0.0)	2460, 3.56E-11(1.0, 0.0)	2470, 3.56E-11(1.0, 0.0)	2480, 3.56E-11(1.0, 0.0)
2500, 3.40E-11(1.0, 0.0)	2510, 3.44E-11(1.0, 0.0)	2520, 3.44E-11(1.0, 0.0)	2530, 3.30E-11(1.0, 0.0)
2550, 3.08E-11(1.0, 0.0)	2560, 3.01E-11(1.0, 0.0)	2570, 2.99E-11(1.0, 0.0)	2580, 3.04E-11(1.0, 0.0)
2600, 3.02E-11(1.0, 0.0)	2610, 2.95E-11(1.0, 0.0)	2620, 2.96E-11(1.0, 0.0)	2630, 3.01E-11(1.0, 0.0)
2650, 3.00E-11(1.0, 0.0)	2660, 3.03E-11(1.0, 0.0)	2670, 3.03E-11(1.0, 0.0)	2680, 2.98E-11(1.0, 0.0)
2700, 2.92E-11(1.0, 0.0)	2710, 2.86E-11(1.0, 0.0)	2720, 2.83E-11(1.0, 0.0)	2730, 2.87E-11(1.0, 0.0)
2750, 2.94E-11(1.0, 0.0)	2760, 2.93E-11(1.0, 0.0)	2770, 2.89E-11(1.0, 0.0)	2780, 2.82E-11(1.0, 0.0)
2800, 2.74E-11(1.0, 0.0)	2810, 2.74E-11(1.0, 0.0)	2820, 2.74E-11(1.0, 0.0)	2830, 2.75E-11(1.0, 0.0)
2850, 2.80E-11(1.0, 0.0)	2860, 2.82E-11(1.0, 0.0)	2870, 2.84E-11(1.0, 0.0)	2880, 2.85E-11(1.0, 0.0)
2900, 2.87E-11(.9, 0.0)	2910, 2.87E-11(.9, 0.0)	2920, 2.86E-11(.9, 0.0)	2930, 2.81E-11(.9, 0.0)
2950, 2.72E-11(.9, 0.0)	2960, 2.66E-11(.9, 0.0)	2970, 2.58E-11(.9, 0.0)	2980, 2.49E-11(.9, 0.0)
3000, 2.38E-11(1.0, 0.0)	3010, 2.35E-11(.9, 0.0)	3020, 2.34E-11(.9, 0.0)	3030, 2.33E-11(.9, 0.0)
3000, 2.39E-11(.9, 0.0)	3020, 2.34E-11(.9, 0.0)	3040, 2.34E-11(.9, 0.0)	3060, 2.33E-11(.9, 0.0)
3100, 2.17E-11(.9, 0.0)	3120, 2.12E-11(.9, 0.0)	3140, 2.16E-11(.9, 0.0)	3160, 2.17E-11(.9, 0.0)
3200, 2.15E-11(.9, 0.0)	3220, 2.11E-11(.9, 0.0)	3240, 2.06E-11(.9, 0.0)	3260, 2.08E-11(.9, 0.0)
3300, 2.16E-11(.9, 0.0)	3320, 2.13E-11(.9, 0.0)	3340, 2.07E-11(.9, 0.0)	3360, 1.99E-11(.9, 0.0)
3400, 1.88E-11(.9, 0.0)	3420, 1.88E-11(.9, 0.0)	3440, 1.85E-11(.9, 0.0)	3460, 1.76E-11(.9, 0.0)
3500, 1.57E-11(.9, 0.0)	3520, 1.49E-11(.9, 0.0)	3540, 1.45E-11(.9, 0.0)	3560, 1.43E-11(.9, 0.0)
3600, 1.41E-11(.9, 0.0)	3620, 1.38E-11(.9, 0.0)	3640, 1.37E-11(1.0, 0.0)	3660, 1.35E-11(1.0, 0.0)
3700, 1.27E-11(1.0, 0.0)	3720, 1.24E-11(1.0, 0.0)	3740, 1.23E-11(1.0, 0.0)	3760, 1.23E-11(1.0, 0.0)
3800, 1.26E-11(1.0, 0.0)	3820, 1.27E-11(1.0, 0.0)	3840, 1.26E-11(1.0, 0.0)	3860, 1.26E-11(1.0, 0.0)
3900, 1.26E-11(1.0, 0.0)	3920, 1.26E-11(1.0, 0.0)	3940, 1.27E-11(1.0, 0.0)	3960, 1.28E-11(1.0, 0.0)
4000, 1.30E-11(1.0, 0.0)	4020, 1.31E-11(1.0, 0.0)	4040, 1.33E-11(1.0, 0.0)	4060, 1.35E-11(1.0, 0.0)
4100, 1.39E-11(1.0, 0.0)	4120, 1.40E-11(1.0, 0.0)	4140, 1.41E-11(1.0, 0.0)	4160, 1.42E-11(1.0, 0.0)
135, 0.00(0.0, 0.0)	139, 0.00(0.0, 0.0)	148, 0.00(0.0, 0.0)	154, 0.00(0.0, 0.0)
160, 0.00(0.0, 0.0)	172, 0.00(0.0, 0.0)	181, 4.06(.9, 0.0)	192, 4.69(.7, 0.0)
219, 4.82(1.0, 0.0)	245, 5.03(1.0, 0.0)	280, 5.31(1.0, 0.0)	360, 5.83(.9, 0.0)

X,Y(MM) 5.8 -18.1 SL2- 15 24 SCANS, T= 202 HR 8103 WT 1.0, SCALE 1.00

R = 1.15



LAMBDA, F (WT, SIG)				F = AVE FLUX				FROM LAM-DEL/2 TO LAM+DEL/2							
1640	7.96E-11	(8.0)	0.0	1642	8.28E-11	(9.0)	0.0	1644	8.75E-11	(9.2)	8.8	1646	7.72E-11	(8.8)	8.4
1650	6.93E-11	(7.20)	2.0	1652	7.61E-11	(9.5)	1654	7.95E-11	(9.3)	1656	9.45E-11	(9.8)	1658U	7.32E-11	(9.3)
1660	7.27E-11	(9.8)	8.8	1662	8.30E-11	(9.7)	1664	8.15E-11	(9.2)	1666	8.86E-11	(9.2)	1668	1.01E-10	(1.0)
1670	1.05E-10	(1.0)	4.2	1672	9.66E-11	(1.0)	6.0	1674	9.57E-11	(1.1)	8.0	1676	1.02E-10	(1.1)	4.5
1680	1.05E-10	(1.2)	11.8	1682	9.60E-11	(1.1)	9.0	1684	9.07E-11	(1.1)	5.7	1686	9.25E-11	(1.0)	3.3
1690	9.18E-11	(1.1)	7.7	1692	9.49E-11	(1.2)	4.0	1694	9.74E-11	(1.3)	13.1	1696	9.85E-11	(1.4)	15.7
1700	9.00E-11	(1.4)	14.3	1702	1.07E-10	(1.4)	10.3	1704	1.05E-10	(1.4)	10.2	1706	1.15E-10	(1.5)	6.0
1710	1.0E-10	(1.4)	6.7	1712	1.08E-10	(1.4)	10.3	1714	1.10E-10	(1.4)	10.2	1716	1.01E-10	(1.4)	5.3
1720	1.08E-10	(1.5)	6.7	1722	1.10E-10	(1.5)	7.7	1724	1.07E-10	(1.4)	3.3	1726	1.03E-10	(1.2)	7.2
1730	1.07E-10	(1.1)	20.8	1732	1.05E-10	(1.1)	20.0	1734	9.78E-11	(1.1)	23.0	1736	9.63E-11	(1.2)	19.6
1740	1.02E-10	(1.4)	5.7	1742	9.59E-11	(1.4)	1.8	1744	9.43E-11	(1.4)	3.3	1746	9.37E-11	(1.4)	1.4
1750	9.13E-11	(1.4)	2.9	1752	9.24E-11	(1.4)	1.7	1754	9.50E-11	(1.4)	3.9	1756	9.95E-11	(1.5)	4.2
1760	9.67E-11	(1.5)	4.9	1762	9.36E-11	(1.4)	7.6	1764	9.31E-11	(1.4)	8.3	1766	9.31E-11	(1.4)	12.5
1770	9.00E-11	(1.7)	8.1	1772	8.97E-11	(1.5)	11.1	1774	9.03E-11	(1.6)	6.2	1776	9.10E-11	(1.6)	9.0
1780	9.92E-11	(1.7)	1.9	1782	9.94E-11	(1.7)	8.8	1784	9.84E-11	(1.7)	7.8	1786	9.77E-11	(1.6)	4.4
1790	9.40E-11	(1.6)	11.7	1792	9.56E-11	(1.6)	11.3	1794	9.86E-11	(1.7)	8.0	1796	9.95E-11	(1.7)	6.3
1800	9.47E-11	(1.6)	10.7	1802	9.52E-11	(1.6)	15.3	1804	9.67E-11	(1.6)	15.9	1806	9.60E-11	(1.7)	12.8
1810	9.97E-11	(1.7)	5.8	1812	9.35E-11	(1.9)	6.0	1814	9.45E-11	(1.8)	6.0	1816	9.50E-11	(1.9)	5.2
1820	8.98E-11	(1.9)	5.9	1822	8.69E-11	(1.8)	8.1	1824	8.64E-11	(1.8)	8.4	1826	8.82E-11	(1.9)	5.8
1800	9.50E-11	(1.6)	10.8	1805	9.63E-11	(1.7)	14.3	1810	9.35E-11	(1.7)	6.2	1815	9.47E-11	(1.9)	5.7
1825	8.75E-11	(1.9)	6.7	1830	9.67E-11	(1.9)	4.7	1835	9.62E-11	(1.9)	5.3	1840	1.01E-10	(1.9)	2.4
1850	9.27E-11	(2.0)	5.0	1855	8.11E-11	(2.0)	9.3	1860	8.12E-11	(2.0)	11.8	1865	8.70E-11	(2.1)	10.6
1875	8.16E-11	(2.2)	16.5	1880	8.09E-11	(2.3)	12.3	1885	8.20E-11	(2.3)	15.8	1890	7.76E-11	(2.4)	21.6
1900	7.49E-11	(2.5)	23.3	1905	7.22E-11	(2.5)	11.1	1910	7.17E-11	(2.5)	8.1	1915	7.13E-11	(2.6)	9.2
1925	6.91E-11	(2.6)	7.3	1930	6.92E-11	(2.6)	8.3	1935	6.53E-11	(2.7)	8.1	1940	6.60E-11	(2.7)	5.3
1950	6.71E-11	(2.7)	12.0												

R = 0.91+-



F = AVE FLUX FROM LAM-DEL/2 TO LAM-DEL/2					
1320A	F	(WT, SIG)	1320A	F	(WT, SIG)
1320A	8.49E-10	(.4 .0)	1322U	1.10E-09	(.3 .0)
1330U	7.86E-10	(.3 .0)	1332U	8.67E-10	(.4 .0)
1340	1.05E-09	(.6 .0)	1342	1.01E-09	(.6 .0)
1350	9.86E-10	(.7 .0)	1352U	9.18E-10	(.7 .0)
1360	9.00E-10	(.7 .0)	1362U	9.07E-10	(.8 .0)
1370	8.97E-10	(.8 .0)	1372	8.98E-10	(.9 .0)
1380	9.09E-10	(1.1 6.1)	1382	9.29E-10	(1.1 6.1)
1390	7.37E-10	(1.0 4.0)	1392	7.01E-10	(.9 4.2)
1400	7.21E-10	(1.1 3.0)	1402	7.25E-10	(1.2 1.9)
1410	8.17E-10	(1.1 7.0)	1412	8.47E-10	(1.4 8.8)
1420	7.39E-10	(1.3 5.0)	1422	7.38E-10	(1.3 11.2)
1430	7.75E-10	(1.5 6.8)	1432	8.05E-10	(1.6 3.2)
1440	8.87E-10	(1.8 11.6)	1442	8.67E-10	(1.8 6.9)
1450	8.21E-10	(1.2 2.5)	1452	8.04E-10	(1.2 4.2)
1460	8.38E-10	(1.8 3.8)	1462	8.04E-10	(1.8 1.2)
1470	7.55E-10	(1.8 4.4)	1472	7.41E-10	(1.9 2.7)
1480	7.50E-10	(1.9 2.8)	1482	7.42E-10	(1.9 5.5)
1490	7.83E-10	(2.0 2.9)	1492	7.84E-10	(2.0 1.8)
1500	7.41E-10	(2.0 5.6)	1502	7.20E-10	(2.0 3.4)
1510	7.22E-10	(2.0 5.1)	1512	7.17E-10	(2.0 2.2)
1520	7.52E-10	(2.0 4.5)	1522	7.85E-10	(2.0 4.2)
1530	6.26E-10	(2.0 4.5)	1532	6.35E-10	(2.0 5.5)
1540	5.96E-10	(2.0 2.2)	1542	6.17E-10	(2.0 1.1)
1550	6.04E-10	(2.0 1.1)	1552	6.16E-10	(2.0 0.0)
1560	6.25E-10	(2.0 3.3)	1562	6.19E-10	(2.0 4.2)
1570	6.23E-10	(2.0 2.6)	1572	6.18E-10	(2.0 4.2)
1580	6.12E-10	(2.0 1.2)	1582	6.10E-10	(2.0 1.0)
1590	5.91E-10	(2.0 2.0)	1592	5.92E-10	(2.0 1.9)
1600	5.79E-10	(2.0 2.4)	1602	5.68E-10	(2.0 5.5)
1610	5.49E-10	(2.0 6.0)	1612	5.47E-10	(2.0 5.6)
1620	5.79E-10	(2.0 3.5)	1622	5.91E-10	(2.0 2.7)
1630	5.92E-10	(2.0 1.0)	1632	5.85E-10	(2.0 3.2)
1640	6.16E-10	(2.0 2.3)	1642	6.16E-10	(2.0 1.2)
1650	6.41E-10	(2.0 2.9)	1652	6.43E-10	(2.0 2.7)
1660	6.11E-10	(2.0 2.0)	1662	6.10E-10	(2.0 2.8)
1670	6.26E-10	(2.0 2.2)	1672	6.25E-10	(2.0 2.5)
1680	6.26E-10	(2.0 3.8)	1682	6.19E-10	(2.0 3.8)
1690	6.25E-10	(2.0 2.4)	1692	6.02E-10	(2.0 3.1)
1700	5.96E-10	(2.0 2.2)	1702	6.00E-10	(2.0 2.0)
1710	5.77E-10	(2.0 2.3)	1712	5.78E-10	(2.0 2.3)
1720	5.61E-10	(2.0 2.5)	1722	5.43E-10	(2.0 3.1)
1730	5.55E-10	(2.0 4.5)	1732	5.52E-10	(2.0 9.4)
1740	5.61E-10	(1.9 4.5)	1742	5.58E-10	(1.9 3.4)
1750	5.42E-10	(1.9 4.6)	1752	5.37E-10	(1.9 6.1)
1760	5.21E-10	(1.9 5.7)	1762	5.26E-10	(1.9 4.3)
1770	5.10E-10	(1.9 5.7)	1772	4.99E-10	(1.9 5.1)
1780	4.99E-10	(1.8 2.8)	1782	4.95E-10	(1.8 4.6)
1790	5.02E-10	(1.8 1.8)	1792	4.94E-10	(1.8 1.3)
1800	5.05E-10	(1.8 1.2)	1802	5.04E-10	(1.8 1.3)
1810	5.05E-10	(1.7 1.2)	1812	5.04E-10	(1.7 1.6)
1820	4.98E-10	(1.7 2.5)	1822	4.98E-10	(1.7 2.5)
1830	5.12E-10	(1.8 2.2)	1832	5.03E-10	(1.8 8.8)
1840	4.96E-10	(1.7 2.6)	1842	4.95E-10	(1.7 2.5)
1850	4.96E-10	(1.7 2.2)	1852	4.96E-10	(1.7 2.2)
1860	4.96E-10	(1.7 2.2)	1862	4.96E-10	(1.7 2.2)
1870	4.96E-10	(1.7 2.2)	1872	4.96E-10	(1.7 2.2)
1880</					

R = 1.32



$R = 1.26$

[illegible] $R = 0.78$

X,Y(MM). -1.8 -5.1 SL3-122 18 SCANS, T= 225: HR.8164 WT 1.0,SCALE 1.00

 $R = \langle 0.78 \rangle$

LAMBDA	F	(WT, SIG)	F = AVE FLUX	FROM LAM-DEL/2 TO LAM+DEL/2
1510	0.0	(0.0 0.0)	1512U 4.64E-10	1514U 4.77E-10
1520	5.92E-10	(.4 0.0)	1522U 5.49E-10	1524U 5.54E-10
1530U	4.49E-10	(.4 0.0)	1532U 4.87E-10	1534U 4.53E-10
1540	4.44E-10	(.4 0.0)	1542U 4.24E-10	1544U 3.98E-10
1550U	3.58E-10	(.3 0.0)	1552U 3.39E-10	1554U 3.92E-10
1560	4.36E-10	(.4 0.0)	1562U 4.09E-10	1564U 3.80E-10
1570	4.25E-10	(.4 0.0)	1572U 3.94E-10	1574U 4.64E-10
1580	3.98E-10	(.5 0.0)	1582U 3.96E-10	1584U 4.05E-10
1590	4.57E-10	(.5 0.0)	1592U 4.14E-10	1594U 4.29E-10
1600	4.43E-10	(.6 0.0)	1602U 3.89E-10	1604U 4.21E-10
1610	4.39E-10	(.6 0.0)	1612U 4.07E-10	1614U 4.58E-10
1620	4.92E-10	(.7 0.0)	1622U 5.12E-10	1624U 4.56E-10
1630	4.75E-10	(.7 0.0)	1632U 4.46E-10	1634U 4.37E-10
1640	4.54E-10	(.7 0.0)	1642U 4.51E-10	1644U 4.62E-10
1650	4.53E-10	(.7 0.0)	1652U 4.50E-10	1654U 4.49E-10
1660	4.88E-10	(.7 0.0)	1662U 5.41E-10	1664U 5.31E-10
1670	4.63E-10	(.7 0.0)	1672U 4.30E-10	1674U 4.51E-10
1680	4.67E-10	(.7 0.0)	1682U 4.61E-10	1684U 4.64E-10
1690	4.12E-10	(.7 0.0)	1692U 4.03E-10	1694U 4.04E-10
1700	4.03E-10	(.7 0.0)	1702U 4.00E-10	1704U 4.22E-10
1710	4.15E-10	(.7 0.0)	1712U 3.90E-10	1714U 3.83E-10
1720	3.81E-10	(.7 0.0)	1722U 3.67E-10	1724U 3.37E-10
1730	3.51E-10	(.7 0.0)	1732U 3.48E-10	1734U 3.44E-10
1740	3.45E-10	(.7 0.0)	1742U 3.51E-10	1744U 3.65E-10
1750	3.68E-10	(.7 0.0)	1752U 3.38E-10	1754U 3.28E-10
1760	3.30E-10	(.7 0.0)	1762U 3.35E-10	1764U 3.31E-10
1770	3.30E-10	(.7 0.0)	1772U 3.25E-10	1774U 3.23E-10
1780	3.18E-10	(.7 0.0)	1782U 3.30E-10	1784U 3.23E-10
1790	3.20E-10	(.7 0.0)	1792U 3.16E-10	1794U 3.23E-10
1800	3.25E-10	(.7 0.0)	1802U 3.08E-10	1804U 3.11E-10
1810	3.24E-10	(.7 0.0)	1812U 3.23E-10	1814U 3.30E-10
1820	3.25E-10	(.7 0.0)	1822U 3.09E-10	1824U 2.92E-10
1830	3.25E-10	(.7 0.0)	1830U 3.15E-10	1830U 3.24E-10
1840	2.89E-10	(.7 0.0)	1840U 3.03E-10	1840U 3.03E-10
1850	2.84E-10	(.7 0.0)	1850U 2.82E-10	1850U 2.94E-10
1860	2.70E-10	(.7 0.0)	1860U 2.71E-10	1860U 2.78E-10
1870	2.71E-10	(.7 0.0)	1870U 2.59E-10	1870U 2.47E-10
1880	2.54E-10	(.7 0.0)	1880U 2.57E-10	1880U 2.41E-10
1890	2.35E-10	(.7 0.0)	1890U 2.41E-10	1890U 2.30E-10
1900	2.08E-10	(.7 0.0)	1900U 2.23E-10	1900U 2.10E-10
1910	1.94E-10	(.7 0.0)	1910U 1.98E-10	1910U 2.12E-10
1920	2.20E-10	(.7 0.0)	1920U 2.05E-10	1920U 1.94E-10
1930	1.82E-10	(.7 0.0)	1930U 1.77E-10	1930U 1.74E-10
1940	1.87E-10	(.7 0.0)	1940U 1.88E-10	1940U 1.82E-10
1950	1.63E-10	(.7 0.0)	1950U 1.61E-10	1950U 1.64E-10
1960	1.58E-10	(.7 0.0)	1960U 1.62E-10	1960U 1.68E-10
1970	1.57E-10	(.7 0.0)	1970U 1.61E-10	1970U 1.61E-10
1980	1.35E-10	(.7 0.0)	1980U 1.41E-10	1980U 1.40E-10
1990	1.35E-10	(.7 0.0)	1990U 1.38E-10	1990U 1.40E-10
2000	1.42E-10	(.6 0.0)	2000U 1.39E-10	2000U 1.40E-10
2010	1.52E-10	(.6 0.0)	2010U 1.45E-10	2010U 1.45E-10
2020	1.52E-10	(.6 0.0)	2020U 1.45E-10	2020U 1.45E-10
2030	1.34E-10	(.6 0.0)	2030U 1.36E-10	2030U 1.36E-10
2040	1.34E-10	(.6 0.0)	2040U 1.36E-10	2040U 1.36E-10
2050	1.34E-10	(.6 0.0)	2050U 1.36E-10	2050U 1.36E-10
2060	1.34E-10	(.6 0.0)	2060U 1.36E-10	2060U 1.36E-10
2070	1.34E-10	(.6 0.0)	2070U 1.36E-10	2070U 1.36E-10
2080	1.34E-10	(.6 0.0)	2080U 1.36E-10	2080U 1.36E-10
2090	1.34E-10	(.6 0.0)	2090U 1.36E-10	2090U 1.36E-10
2100	1.34E-10	(.6 0.0)	2100U 1.36E-10	2100U 1.36E-10
2110	1.34E-10	(.6 0.0)	2110U 1.36E-10	2110U 1.36E-10
2120	1.34E-10	(.6 0.0)	2120U 1.36E-10	2120U 1.36E-10
2130	1.34E-10	(.6 0.0)	2130U 1.36E-10	2130U 1.36E-10
2140	1.34E-10	(.6 0.0)	2140U 1.36E-10	2140U 1.36E-10
2150	1.34E-10	(.6 0.0)	2150U 1.36E-10	2150U 1.36E-10
2160	1.34E-10	(.6 0.0)	2160U 1.36E-10	2160U 1.36E-10
2170	1.34E-10	(.6 0.0)	2170U 1.36E-10	2170U 1.36E-10
2180	1.34E-10	(.6 0.0)	2180U 1.36E-10	2180U 1.36E-10
2190	1.34E-10	(.6 0.0)	2190U 1.36E-10	2190U 1.36E-10
2200	1.34E-10	(.6 0.0)	2200U 1.36E-10	2200U 1.36E-10
2210	1.34E-10	(.6 0.0)	2210U 1.36E-10	2210U 1.36E-10
2220	1.34E-10	(.6 0.0)	2220U 1.36E-10	2220U 1.36E-10
2230	1.34E-10	(.6 0.0)	2230U 1.36E-10	2230U 1.36E-10
2240	1.34E-10	(.6 0.0)	2240U 1.36E-10	2240U 1.36E-10
2250	1.34E-10	(.6 0.0)	2250U 1.36E-10	2250U 1.36E-10
2260	1.34E-10	(.6 0.0)	2260U 1.36E-10	2260U 1.36E-10
2270	1.34E-10	(.6 0.0)	2270U 1.36E-10	2270U 1.36E-10
2280	1.34E-10	(.6 0.0)	2280U 1.36E-10	2280U 1.36E-10
2290	1.34E-10	(.6 0.0)	2290U 1.36E-10	2290U 1.36E-10
2300	1.34E-10	(.6 0.0)	2300U 1.36E-10	2300U 1.36E-10
2310	1.34E-10	(.6 0.0)	2310U 1.36E-10	2310U 1.36E-10
2320	1.34E-10	(.6 0.0)	2320U 1.36E-10	2320U 1.36E-10
2330	1.34E-10	(.6 0.0)	2330U 1.36E-10	2330U 1.36E-10
2340	1.34E-10	(.6 0.0)	2340U 1.36E-10	2340U 1.36E-10
2350	1.34E-10	(.6 0.0)	2350U 1.36E-10	2350U 1.36E-10
2360	1.34E-10	(.6 0.0)	2360U 1.36E-10	2360U 1.36E-10
2370	1.34E-10	(.6 0.0)	2370U 1.36E-10	2370U 1.36E-10
2380	1.34E-10	(.6 0.0)	2380U 1.36E-10	2380U 1.36E-10
2390	1.34E-10	(.6 0.0)	2390U 1.36E-10	2390U 1.36E-10
2400	1.34E-10	(.6 0.0)	2400U 1.36E-10	2400U 1.36E-10
2410	1.34E-10	(.6 0.0)	2410U 1.36E-10	2410U 1.36E-10
2420	1.34E-10	(.6 0.0)	2420U 1.36E-10	2420U 1.36E-10
2430	1.34E-10	(.6 0.0)	2430U 1.36E-10	2430U 1.36E-10
2440	1.34E-10	(.6 0.0)	2440U 1.36E-10	2440U 1.36E-10
2450	1.34E-10	(.6 0.0)	2450U 1.36E-10	2450U 1.36E-10
2460	1.34E-10	(.6 0.0)	2460U 1.36E-10	2460U 1.36E-10
2470	1.34E-10	(.6 0.0)	2470U 1.36E-10	2470U 1.36E-10
2480	1.34E-10	(.6 0.0)	2480U 1.36E-10	2480U 1.36E-10
2490	1.34E-10	(.6 0.0)	2490U 1.36E-10	2490U 1.36E-10
2500	1.34E-10	(.6 0.0)	2500U 1.36E-10	2500U 1.36E-10
2510	1.34E-10	(.6 0.0)	2510U 1.36E-10	2510U 1.36E-10
2520	1.34E-10	(.6 0.0)	2520U 1.36E-10	2520U 1.36E-10
2530	1.34E-10	(.6 0.0)	2530U 1.36E-10	2530U 1.36E-10
2540	1.34E-10	(.6 0.0)	2540U 1.36E-10	2540U 1.36E-10
2550	1.34E-10	(.6 0.0)	2550U 1.36E-10	2550U 1.36E-10
2560	1.34E-10	(.6 0.0)	2560U 1.36E-10	2560U 1.36E-10
2570	1.34E-10	(.6 0.0)	2570U 1.36E-10	2570U 1.36E-10
2580	1.34E-10	(.6 0.0)	2580U 1.36E-10	2580U 1.36E-10
2590	1.34E-10	(.6 0.0)	2590U 1.36E-10	2590U 1.36E-10
2600	1.34E-10	(.6 0.0)	2600U 1.36E-10	2600U 1.36E-10
2610	1.34E-10	(.6 0.0)	2610U 1.36E-10	2610U 1.36E-10
2620	1.34E-10	(.6 0.0)	2620U 1.36E-10	2620U 1.36E-10
2630	1.34E-10	(.6 0.0)	2630U 1.36E-10	2630U 1.36E-10
2640	1.34E-10	(.6 0.0)	2640U 1.36E-10	2640U 1.36E-10
2650	1.34E-10	(.6 0.0)	2650U 1.36E-10	2650U 1.36E-10
2660	1.34E-10	(.6 0.0)	2660U 1.36E-10	2660U 1.36E-10
2670	1.34E-10	(.6 0.0)	2670U 1.36E-10	2670U 1.36E-10
2680	1.34E-10	(.6 0.0)	2680U 1.36E-10	2680U 1.36E-10
2690	1.34E-10	(.6 0.0)	2690U 1.36E-10	2690U 1.36E-10
2700	1.34E-10	(.6 0.0)	2700U 1.36E-10	2700U 1.36E-10
2710	1.34E-10	(.6 0.0)	2710U 1.36E-10	2710U 1.36E-10
2720	1.34E-10	(.6 0.0)	2720U 1.36E-10	2720U 1.36E-10
2730	1.34E-10	(.6 0.0)	2730U 1.36E-10	2730U 1.36E-10
2740	1.34E-10	(.6 0.0)	2740U 1.36E-10	2740U 1.36E-10
2750	1.34E-10	(.6 0.0)	2750U 1.36E-10	2750U 1.36E-10
2760	1.34E-10	(.6 0.0)	2760U 1.36E-10	2760U 1.36E-10
2770	1.34E-10	(.6 0.0)	2770U 1.36E-10	2770U 1.36E-10
2780	1.34E-10	(.6 0.0)	2780U 1.36E-10	2780U 1.36E-10
2790	1.34E-10	(.6 0.0)	2790U 1.36E-10	2790U 1.36E-10
2800	1.34E-10	(.6 0.0)	2800U 1.36E-10	2800U 1.36E-10
2810	1.34E-10	(.6 0.0)	2810U 1.36E-10	2810U 1.36E-10
2820	1.34E-10	(.6 0.0)	2820U 1.36E-10	2820U 1.36E-10
2830	1.34E-10	(.6 0.0)	2830U 1.36E-10	2830U 1.36E-10
2840	1.34E-10	(.6 0.0)	2840U 1.36E-10	2840U 1.36E-10
2850	1.34E-10	(.6 0.0)	2850U 1.36E-10	2850U 1.36E-10
2860	1.34E-10	(.6 0.0)	2860U 1.36E-10	2860U 1.36E-10
2870	1.34E-10	(.6 0.0)	2870U 1.36E-10	2870U 1.36E-10
2880	1.34E-10	(.6 0.0)	2880U 1.36E-10	2880U 1.36E-10
2890	1.34E-10	(.6 0.0)	2890U 1.36E-10	2890U 1.36E-10
2900	1.34E-10	(.6 0.0)	2900U 1.36E-10	2900U 1.36E-10
2910	1.34E-10	(.6 0.0)	2910U 1.36E-10	2910U 1.36E-10
2920	1.34E-10	(.6 0.0)	2920U 1.36E-10	2920U 1.36E-10
2930	1.34E-10	(.6 0.0)	2930U 1.36E-10	2930U 1.36E-10
2940	1.34E-10	(.6 0.0)	2940U 1.36E-10	2940U 1.36E-10
2950	1.34E-10	(.6 0.0)	2950U 1.36E-10	2950U 1.36E-10
2960	1.34E-10	(.6 0.0)	2960U 1.36E-10	2960U 1.36E-10
2970	1.34E-10	(.6 0.0)	2970U 1.36E-10	2970U 1.36E-10
2980	1.34E-10	(.6 0.0)	2980U 1.36E-10	2980U 1.36E-10
2990	1.34E-10	(.6 0.0)	2990U 1.36E-10	2990U 1.36E-10
3000	1.34E-10	(.6 0.0)	3000U 1.36E-10	3000U 1.36E-10
3010	1.34E-10	(.6 0.0)	3010U 1.36E-10	3010U 1.36E-10
3020	1.34E-10	(.6 0.0)	3020U 1.36E-10	3020U 1.36E-10
3030	1.34E-10	(.6 0.0)	3030U 1.36E-10	3030U 1.36E-10
3040	1.34E-10	(.6 0.0)	3040U 1.36E-10	3040U 1.36E-10
3050	1.34E-10	(.6 0.0)	3050U 1.36E-10	3050U 1.36E-10
3060	1.34E-10	(.6 0.0)	3060U 1.36E-10	3060U 1.36E-10
3070	1.34E-10	(.6 0.0)	3070U 1.36E-10	3070U 1.36E-10
3080	1.34E-10	(.6 0.0)	3080U 1.36E-10	3080U 1.36E-10

LAMBDA, F	(WT, SIG)	F = AVE FLUX FROM LAM-DEL/2 TO LAM+DEL/2	(WT, SIG)	F = AVE FLUX FROM LAM-DEL/2 TO LAM+DEL/2	(WT, SIG)	F = AVE FLUX FROM LAM-DEL/2 TO LAM+DEL/2	(WT, SIG)	F = AVE FLUX FROM LAM-DEL/2 TO LAM+DEL/2	(WT, SIG)
1360	0.0 (0.0 0.0)	1362	0.0 (0.0 0.0)	1364	0.0 (0.0 0.0)	1366	0.0 (0.0 0.0)	1368U	5.17E-10(.4 0.0)
1370U	1.66E-10(.4 0.0)	1372U	4.69E-10(.4 0.0)	1374U	4.49E-10(.5 0.0)	1376U	4.53E-10(.5 0.0)	1378U	4.76E-10(.5 0.0)
1380U	4.24E-10(.5 0.0)	1382U	4.02E-10(.5 0.0)	1384U	3.78E-10(.4 0.0)	1386U	3.60E-10(.4 0.0)	1388U	3.01E-10(.4 0.0)
1390U	3.57E-10(.4 0.0)	1392U	3.61E-10(.5 0.0)	1394U	3.70E-10(.5 0.0)	1396U	3.69E-10(.5 0.0)	1398U	3.75E-10(.5 0.0)
1400U	3.51E-10(.5 0.0)	1402U	3.37E-10(.5 0.0)	1404U	3.46E-10(.6 0.0)	1406U	3.67E-10(.6 0.0)	1408U	3.82E-10(.7 0.0)
1410	3.55E-10(.7 0.0)	1412	3.49E-10(.6 0.0)	1414	3.22E-10(.6 0.0)	1416	3.18E-10(.6 0.0)	1418	2.85E-10(.6 0.0)
1420U	2.80E-10(.6 0.0)	1422	3.09E-10(.6 0.0)	1424	3.29E-10(.7 0.0)	1426	2.95E-10(.7 0.0)	1428	2.62E-10(.6 0.0)
1430	2.58E-10(.6 0.0)	1432U	2.20E-10(.6 0.0)	1434	2.42E-10(.6 0.0)	1436	2.45E-10(.6 0.0)	1438	2.71E-10(.6 0.0)
1440	2.53E-10(.7 0.0)	1442	2.40E-10(.7 0.0)	1444	2.59E-10(.7 0.0)	1446	2.58E-10(.7 0.0)	1448	2.67E-10(.8 0.0)
1450	2.85E-10(.8 0.0)	1452	2.63E-10(.9 0.0)	1454	2.78E-10(1.0 0.0)	1456	3.04E-10(1.1 0.0)	1458	2.93E-10(1.1 0.0)
1460	2.87E-10(1.1 0.0)	1462	2.78E-10(1.0 0.0)	1464	2.56E-10(1.0 0.0)	1466	2.51E-10(1.0 0.0)	1468	2.52E-10(1.0 0.0)
1470	2.64E-10(1.0 0.0)	1472	2.82E-10(1.1 0.0)	1474	2.84E-10(1.1 0.0)	1476	2.79E-10(1.1 0.0)	1478	2.71E-10(1.1 0.0)
1480	2.72E-10(1.1 0.0)	1482	2.55E-10(1.1 0.0)	1484	2.51E-10(1.1 0.0)	1486	2.42E-10(1.0 0.0)	1488	2.27E-10(1.0 0.0)
1490	2.32E-10(1.0 0.0)	1492	2.34E-10(1.0 0.0)	1494	2.20E-10(1.1 0.0)	1496	2.42E-10(1.1 0.0)	1498	2.39E-10(1.1 0.0)
1500	2.35E-10(1.1 0.0)	1502	2.10E-10(1.1 0.0)	1504	2.18E-10(1.1 0.0)	1506	2.30E-10(1.1 0.0)	1508	2.32E-10(1.2 0.0)
1510	2.46E-10(1.2 0.0)	1512	2.22E-10(1.2 0.0)	1514	2.07E-10(1.1 0.0)	1516	2.15E-10(1.2 0.0)	1518	2.10E-10(1.2 0.0)
1520	1.19E-10(1.2 0.0)	1522	2.15E-10(1.2 0.0)	1524	2.04E-10(1.2 0.0)	1526	1.86E-10(1.1 0.0)	1528	1.73E-10(1.1 0.0)
1530	1.58E-10(1.0 0.0)	1532	1.54E-10(1.0 0.0)	1534	1.56E-10(1.0 0.0)	1536	1.41E-10(.9 0.0)	1538	1.28E-10(.8 0.0)
1540	1.04E-10(.6 0.0)	1542U	8.27E-11(.4 0.0)	1544U	8.18E-11(.4 0.0)	1546U	9.52E-11(.5 0.0)	1548	1.18E-10(.8 0.0)
1550	1.43E-10(1.1 0.0)	1552	1.68E-10(1.2 0.0)	1554	1.81E-10(1.2 0.0)	1556	1.77E-10(1.2 0.0)	1558	1.62E-10(1.1 0.0)
1560	1.51E-10(1.1 0.0)	1562	1.46E-10(1.1 0.0)	1564	1.47E-10(1.1 0.0)	1566	1.58E-10(1.2 0.0)	1568	1.54E-10(1.2 0.0)
1570	1.52E-10(1.2 0.0)	1572	1.53E-10(1.2 0.0)	1574	1.52E-10(1.2 0.0)	1576	1.52E-10(1.2 0.0)	1578	1.54E-10(1.2 0.0)
1580	1.56E-10(1.2 0.0)	1582	1.62E-10(1.2 0.0)	1584	1.60E-10(1.2 0.0)	1586	1.57E-10(1.2 0.0)	1588	1.60E-10(1.2 0.0)
1590	1.64E-10(1.2 0.0)	1592	1.48E-10(1.2 0.0)	1594	1.42E-10(1.2 0.0)	1596	1.47E-10(1.2 0.0)	1598	1.56E-10(1.2 0.0)
1600	1.62E-10(1.2 0.0)	1602	1.55E-10(1.2 0.0)	1604	1.44E-10(1.2 0.0)	1606	1.37E-10(1.2 0.0)	1608	1.28E-10(1.2 0.0)
1610	1.24E-10(1.2 0.0)	1612	1.27E-10(1.2 0.0)	1614	1.25E-10(1.2 0.0)	1616	1.24E-10(1.2 0.0)	1618	1.31E-10(1.2 0.0)
1620	1.36E-10(1.2 0.0)	1622	1.34E-10(1.2 16.0)	1624	1.32E-10(1.2 15.3)	1626	1.35E-10(1.3 12.5)	1628	1.37E-10(1.3 11.1)
1630	1.33E-10(1.3 11.0)	1632	1.23E-10(1.3 11.0)	1634	1.22E-10(1.3 9.8)	1636	1.36E-10(1.3 11.4)	1638	1.46E-10(1.3 12.2)
1640	1.50E-10(1.3 13.1)	1642	1.54E-10(1.3 12.3)	1644	1.58E-10(1.4 11.1)	1646	1.65E-10(1.5 12.1)	1648	1.69E-10(1.6 11.8)
1650	1.75E-10(1.7 15.3)	1652	1.70E-10(1.7 16.0)	1654	1.78E-10(1.7 18.0)	1656	1.74E-10(1.6 19.5)	1658	1.58E-10(1.6 23.3)
1660	1.20E-10(1.2 7.0)	1662	1.38E-10(1.2 5.3)	1664	1.60E-10(1.2 2.1)	1666	1.64E-10(1.2 1.3)	1668	1.54E-10(1.2 1.5)
1670	1.48E-10(1.7 9.5)	1672	1.44E-10(1.7 9.4)	1674	1.45E-10(1.7 8.6)	1676	1.50E-10(1.8 10.9)	1678	1.58E-10(1.8 13.6)
1680	1.67E-10(1.8 11.3)	1682	1.72E-10(1.8 8.0)	1684	1.71E-10(1.8 8.9)	1686	1.69E-10(1.8 8.4)	1688	1.70E-10(1.8 8.1)
1690	1.70E-10(1.9 11.0)	1692	1.67E-10(1.9 11.4)	1694	1.60E-10(1.8 7.9)	1696	1.55E-10(1.8 6.4)	1698	1.54E-10(1.8 8.3)
1700	1.54E-10(1.8 9.5)	1702	1.51E-10(1.8 8.6)	1704	1.50E-10(1.8 9.5)	1706	1.55E-10(1.9 12.1)	1708	1.62E-10(2.0 13.5)
1710	1.62E-10(2.1 12.6)	1712	1.58E-10(2.0 13.6)	1714	1.53E-10(2.0 12.3)	1716	1.49E-10(1.9 9.2)	1718	1.44E-10(1.8 6.4)
1720	1.40E-10(1.8 8.2)	1722	1.38E-10(1.8 10.8)	1724	1.37E-10(1.8 12.7)	1726	1.37E-10(1.8 12.7)	1728	1.38E-10(1.8 11.3)
1730	1.32E-10(1.7 10.5)	1732	1.30E-10(1.8 10.8)	1734	1.24E-10(1.9 12.1)	1736	1.24E-10(1.9 12.1)	1738	1.25E-10(1.9 12.1)
1740	1.50E-10(2.1 12.7)	1742	1.56E-10(2.2 12.7)	1744	1.59E-10(2.2 12.2)	1746	1.64E-10(2.2 13.3)	1748	1.64E-10(2.2 13.3)
1750	1.60E-10(2.2 13.5)	1752	1.59E-10(2.2 11.1)	1754	1.61E-10(2.2 10.9)	1756	1.62E-10(2.2 11.2)	1758	1.63E-10(2.2 10.2)
1760	1.63E-10(2.2 8.5)	1762	1.60E-10(2.2 8.7)	1764	1.60E-10(2.2 10.3)	1766	1.50E-10(2.2 10.7)	1768	1.49E-10(2.2 10.7)
1770	1.51E-10(2.2 10.4)	1772	1.52E-10(2.2 10.4)	1774	1.50E-10(2.2 9.4)	1776	1.50E-10(2.2 9.8)	1778	1.51E-10(2.2 9.0)
1780	1.50E-10(2.2 7.5)	1782	1.48E-10(2.2 6.0)	1784	1.44E-10(2.1 6.4)	1786	1.39E-10(2.1 7.3)	1788	1.34E-10(2.1 7.1)
1790	1.33E-10(2.1 4.8)	1792	1.34E-10(2.1 3.9)	1794	1.34E-10(2.1 5.1)	1796	1.35E-10(2.2 6.3)	1798	1.36E-10(2.2 6.3)
1800	1.38E-10(2.2 5.8)	1802	1.38E-10(2.2 5.3)	1804	1.37E-10(2.2 5.1)	1806	1.37E-10(2.2 4.7)	1808	1.36E-10(2.2 5.4)
1810	1.38E-10(2.2 5.8)	1812	1.38E-10(2.2 5.5)	1814	1.37E-10(2.2 5.8)	1816	1.37E-10(2.2 5.8)	1818	1.44E-10(2.2 5.8)
1820	1.44E-10(2.2 7.5)	1822	1.45E-10(2.2 6.7)	1824	1.44E-10(2.2 6.1)	1826	1.43E-10(2.2 6.5)	0	0.0 (0.0 0.0)
1800	1.37E-10(2.2 5.7)	1805	1.37E-10(2.2 4.7)	1810	1.37E-10(2.2 6.6)	1815	1.42E-10(2.2 8.8)	1820	1.44E-10(2.2 7.5)
1825	1.44E-10(2.2 6.3)	1830	1.45E-10(2.2 6.8)	1835	1.46E-10(2.2 6.8)	1840	1.43E-10(2.2 7.7)	1845	1.34E-10(2.2 9.2)
1850	1.32E-10(2.2 10.9)	1855	1.32E-10(2.2 12.0)	1860	1.30E-10(2.2 8.7)	1865	1.32E-10(2.2 6.0)	1870	1.34E-10(2.2 7.7)
1875	1.31E-10(2.2 7.5)	1880	1.30E-10(2.2 8.4)	1885	1.22E-10(2.2 8.0)	1890	1.20E-10(2.2 8.7)	1895	1.26E-10(2.2 8.0)
1900	1.20E-10(2.2 6.4)	1905	1.20E-10(2.2 6.4)	1910	1.20E-10(2.2 6.4)	1915	1.20E-10(2.2 6.4)	1920	1.20E-10(2.2 6.4)
1925	1.17E-10(2.2 7.8)	1930	1.23E-10(2.2 6.4)	1935	1.25E-10(2.2 6.1)	1940	1.23E-10(2.2 6.5)	1945	1.20E-10(2.2 7.2)
1950	1.19E-10(2.2 5.8)	1955	1.17E-10(2.2 6.0)	1960	1.19E-10(2.2 7.4)	1965	1.22E-10(2.2 9.1)	1970	1.21E-10(2.2 8.6)
1975	1.19E-10(2.2 9.4)	1980	1.18E-10(2.2 10.5)	1985	1.16E-10(2.2 9.2)	1990	1.13E-10(2.2 10.1)	1995	1.11E-10(2.2 11.7)
2000	1.09E-10(2.2 11.5)	2005	1.10E-10(2.2 9.7)	2010	1.14E-10(2.2 8.0)	2015	1.15E-10(2.2 7.8)	2020	1.12E-10(2.2 8.5)
2025	1.11E-10(2.2 7.7)	2030	1.10E-10(2.2 5.7)	2035	1.09E-10(2.2 5.3)	2040	1.06E-10(2.2 7.1)	2045	1.02E-10(2.2 7.5)
2050	9.87E-11(2.2 6.8)	2055	9.83E-11(2.2 6.1)	2060	9.88E-11(2.2 6.2)	2065	9.81E-11(2.2 6.4)	2070	9.82E-11(2.2 7.8)
2075	9.75E-11(2.2 6.5)	2080	9.67E-11(2.2 5.2)	2085	9.75E-11(2.2 6.3)	2090	9.75E-11(2.2 6.4)	2095	9.75E-11(2.2 7.1)
2100	9.65E-11(2.2 6.5)	2105	9.42E-11(2.2 5.0)	2110	9.57E-11(2.2 5.4)	2115	9.99E-11(2.2 5.0)	2120	9.23E-11(2.2 5.1)
2125	9.75E-11(2.1 7.2)	2130	9.89E-11(2.1 7.3)	2135	9.83E-11(2.1 6.8)	2140	9.53E-11(2.1 5.5)	2145	9.24E-11(2.1 5.1)
2150	9.01E-11(2.1 5.3)	2155	8.76E-11(2.1 5.8)	2160	8.69E-11(2.1 6.7)	2165	8.81E-11(2.0 6.4)	2170	8.97E-11(2.0 5.2)
2175	9.12E-11(2.0 4.0)	2180	9.21E-11(2.0 3.2)	2185	9.22E-11(2.0 3.4)	2190	9.17E-11(2.0 4.2)	2195	9.17E-11(2.0 4.7)
2200	9.28E-11(1.9 4.6)	2205	9.36E-11(1.9 5.2)	2210	9.27E-11(1.9 5.9)	2215	9.08E-11(1.9 6.1)	2220	8.95E-11(1.9 6.1)
2225	8.87E-11(1.9 5.4)	2230	8.84E-11(1.9 5.2)	2235	8.92E-11(1.9 6.5)	2240	9.09E-11(1.9 8.5)	2245	9.18E-11(1.9 9.3)
2250	9.17E-11(1.9 8.9)	2255	9.11E-11(1.9 6.8)	2260	9.11E-11(1.9 6.6)	2265	9.14E-11(1.9 7.8)	2270	9.14E-11(1.9 9.3)
2275	9.05E-11(1.8 8.8)	2280	8.86E-11(1.8 6.8)	2285	8.71E-11(1.8 8.9)	2290	8.77E-11(1.8 5.2)	2295	9.00E-11(1.8 5.0)
2300	9.24E-11(1.8 6.0)	2305	9.46E-11(1.8 8.1)	2310	9.54E-11(1.8 8.9)	2315	9.64E-11(1.8 9.6)	0	0.0 (0.0 0.0)
2300	9.19E-11(1.8 5.3)	2310	9.53E-11(1.8 8.5)	2320	9.65E-11(1.8 9.8)	2330	9.62E-11(1.8 10.2)	2340	9.64E-11(1.8 10.2)
2350	9.60E-11(1.7 9.7)	2360	9.36E-11(1.7 8.0)	2370	9.48E-11(1.7 8.1)	2380	9.69E-11(1.7 9.7)	2390	9.79E-11(1.7 8.7)
2400	9.77E-11(1.6 8.7)	2410	9.56E-11(1.6 8.8)	2420	9.61E-11(1.6 8.3)	2430	9.89E-11(1.6 8.6)	2440	1.00E-10(1.6 8.5)
2450	1.00E-10(1.5 8.3)	2460E	1.00E-10(1.5 7.8)	2470E	9.85E-11(1.5 7.6)	2480E	9.67E-11(1.5 7.5)	2490E	9.55E-11(1.5 7.7)
2500	9.53E-11(1.4 6.2)	2510E	9.42E-11(1.5 7.7)	2520E	9.23E-11(1.5 6.3)	2530E	9.29E-11(1.5 6.4)	2540E	9.42E-11(1.5 6.9)
2550E	9.36E-11(1.4 6.2)	2560E	9.19E-11(1.4 4.8)	2570E	9.29E-11(1.4 5.2)	2580E	9.70E-11(1.4 7.1)	2590E	9.98E-11(1.4 7.7)
2600E	9.91E-11(1.3 6.5)	2610E	9.67E-11(1.3 5.9)	2620E	9.58E-11(1.3 5.5)	2630E	9.67E-11(1.3 5.7)	2640E	9.65E-11(1.3 6.3)
2650E	9.37E-11(1.3 7.7)	2660E	9.00E-11(1.3 9.0)	2670E	8.82E-11(1.3 10.4)	2680E	9.01E-11(1.3 9.1)	2690E	9.22E-11(1.3 7.2)
2700E	9.29E-11(1.3 5.1)	2710E	9.18E-11(1.3 4.2)	2720E	9.18E-11(1.3 4.3)	2730E	9.25E-11(1.3 5.2)	2740E	9.22E-11(1.3 6.8)
2750E	9.07E-11(1.3 8.4)	2760E	8.82E-11(1.3 9.4)	2770E	8.74E-11(1.2 9.4)	2780E	8.75E-11(1.2 7.4)	2790E	8.91E-11(1.

LAMBDA, F ( W, SIG)				F = AVE FLUX FROM LAM-DEL/2 TO LAM-DEL/2				LAMBDA, F ( W, SIG)				F = AVE FLUX FROM LAM-DEL/2 TO LAM-DEL/2				LAMBDA, F ( W, SIG)				F = AVE FLUX FROM LAM-DEL/2 TO LAM-DEL/2			
14400	2.71E-10	(2.0)	0.0	14420	3.07E-10	(3.0)	0.0	14440	3.34E-10	(3.0)	0.0	14460	3.36E-10	(4.0)	0.0	14480	3.09E-10	(4.0)	0.0	14500	3.05E-10	(4.0)	0.0
14500	3.25E-10	(4.0)	0.0	14520	3.19E-10	(4.0)	0.0	14540	3.40E-10	(4.0)	0.0	14560	3.22E-10	(4.0)	0.0	14580	3.33E-10	(5.0)	0.0	14600	3.21E-10	(5.0)	0.0
14600	3.21E-10	(5.0)	0.0	14620	3.64E-10	(5.0)	0.0	14640	3.39E-10	(5.0)	0.0	14660	3.06E-10	(5.0)	0.0	14680	3.33E-10	(6.0)	0.0	14700	2.88E-10	(6.0)	0.0
14700	2.88E-10	(6.0)	0.0	14720	2.61E-10	(6.0)	0.0	14740	3.41E-10	(6.0)	0.0	14760	3.48E-10	(6.0)	0.0	14780	3.13E-10	(6.0)	0.0	14800	3.28E-10	(5.0)	0.0
14800	3.28E-10	(5.0)	0.0	14820	2.90E-10	(5.0)	0.0	14840	2.79E-10	(5.0)	0.0	14860	2.84E-10	(6.0)	0.0	14880	3.16E-10	(6.0)	0.0	14900	3.10E-10	(6.0)	0.0
14900	3.10E-10	(6.0)	0.0	14920	2.83E-10	(6.0)	0.0	14940	3.15E-10	(6.0)	0.0	14960	3.27E-10	(7.0)	0.0	14980	2.94E-10	(7.0)	0.0	15000	3.04E-10	(7.0)	0.0
15000	3.04E-10	(7.0)	0.0	15020	2.79E-10	(7.0)	0.0	15040	2.73E-10	(7.0)	0.0	15060	2.60E-10	(6.0)	0.0	15080	2.91E-10	(6.0)	0.0	15100	2.54E-10	(7.0)	0.0
15100	2.54E-10	(7.0)	0.0	15120	2.78E-10	(7.0)	0.0	15140	2.82E-10	(7.0)	0.0	15160	2.63E-10	(7.0)	0.0	15180	2.34E-10	(6.0)	0.0	15200	2.28E-10	(6.0)	0.0
15200	2.28E-10	(6.0)	0.0	15220	2.34E-10	(6.0)	0.0	15240	2.19E-10	(6.0)	0.0	15260	2.06E-10	(6.0)	0.0	15280	2.22E-10	(6.0)	0.0	15300	2.31E-10	(7.0)	0.0
15300	2.31E-10	(7.0)	0.0	15320	2.50E-10	(8.0)	0.0	15340	2.59E-10	(9.0)	0.0	15360	2.78E-10	(10.0)	0.0	15380	2.73E-10	(10.0)	0.0	15400	2.69E-10	(10.0)	0.0
15400	2.69E-10	(10.0)	0.0	15420	2.60E-10	(10.0)	0.0	15440	2.67E-10	(10.0)	0.0	15460	2.79E-10	(10.0)	0.0	15480	2.82E-10	(10.0)	0.0	15500	2.65E-10	(10.0)	0.0
15500	2.65E-10	(10.0)	0.0	15520	2.56E-10	(10.0)	0.0	15540	2.65E-10	(10.0)	0.0	15560	2.60E-10	(10.0)	0.0	15580	2.71E-10	(10.0)	0.0	15600	2.71E-10	(10.0)	0.0
15600	2.71E-10	(10.0)	0.0	15620	2.81E-10	(10.0)	0.0	15640	2.85E-10	(10.0)	0.0	15660	2.90E-10	(10.0)	0.0	15680	2.89E-10	(10.0)	0.0	15700	2.91E-10	(10.0)	0.0
15700	2.91E-10	(10.0)	0.0	15720	2.67E-10	(10.0)	0.0	15740	2.85E-10	(10.0)	0.0	15760	2.69E-10	(10.0)	0.0	15780	2.78E-10	(10.0)	0.0	15800	2.91E-10	(10.0)	0.0
15800	2.91E-10	(10.0)	0.0	15820	2.78E-10	(10.0)	0.0	15840	2.83E-10	(10.0)	0.0	15860	2.90E-10	(10.0)	0.0	15880	2.77E-10	(10.0)	0.0	15900	2.71E-10	(10.0)	0.0
15900	2.71E-10	(10.0)	0.0	15920	2.74E-10	(10.0)	0.0	15940	2.87E-10	(10.0)	0.0	15960	2.83E-10	(10.0)	0.0	15980	2.61E-10	(10.0)	0.0	16000	2.59E-10	(10.0)	0.0
16000	2.59E-10	(10.0)	0.0	16020	2.64E-10	(10																	

X,Y(MM) -5.4 -14.0 SL2- 13 21 SCANS. T= 222 70 CYG WT 1.0,SCALE .97

X,Y(MM) -5.4 -14.0 SL2- 14 20 SCANS, T= 72 70 CYG WT 1.0, SCALE 1.03

 $R = 0.95$

[illegible] $R = 0.89$

LAMBDA, F (WT, SIG)	F = AVE FLUX FROM LAM-DEL/2 TO LAM+DEL/2		
1480U 8.87E-11(1.0 0.0)	1482U 1.00E-10(1.2 0.0)	1484, 1.30E-10(1.2 0.0)	1486U 1.21E-10(1.3 0.0)
1490U 1.12E-10(1.3 0.0)	1492, 1.31E-10(1.3 0.0)	1494, 1.35E-10(1.3 0.0)	1496U 1.23E-10(1.3 0.0)
1500U 1.14E-10(1.3 0.0)	1502U 1.11E-10(1.2 0.0)	1504U 1.23E-10(1.2 0.0)	1506U 8.37E-11(1.2 0.0)
1510U 1.08E-10(1.3 0.0)	1512, 1.04E-10(1.3 0.0)	1514U 1.08E-10(1.4 0.0)	1516, 1.37E-10(1.3 0.0)
1520U 8.30E-11(1.3 0.0)	1522, 1.23E-10(1.3 0.0)	1524, 1.21E-10(1.3 0.0)	1526U 8.93E-11(1.3 0.0)
1530U 6.67E-11(1.2 0.0)	1532U 7.55E-11(1.2 0.0)	1534U 7.74E-11(1.2 0.0)	1536U 8.11E-11(1.2 0.0)
1540U 8.74E-11(1.3 0.0)	1542, 9.88E-11(1.3 0.0)	1544U 7.55E-11(1.3 0.0)	1546U 7.93E-11(1.3 0.0)
1550, 1.06E-10(1.4 0.0)	1552, 1.00E-10(1.4 0.0)	1554, 1.05E-10(1.5 0.0)	1556, 1.14E-10(1.5 0.0)
1560, 1.08E-10(1.5 0.0)	1562, 1.23E-10(1.6 0.0)	1564, 1.11E-10(1.6 0.0)	1566, 8.62E-11(1.4 0.0)
1570, 9.50E-11(1.4 0.0)	1572, 1.18E-10(1.6 0.0)	1574, 1.24E-10(1.6 0.0)	1576, 1.38E-10(1.6 0.0)
1580, 1.01E-10(1.5 0.0)	1582, 9.18E-11(1.5 0.0)	1584, 9.94E-11(1.6 0.0)	1586, 9.69E-11(1.5 0.0)
1590, 1.23E-10(1.6 0.0)	1592, 1.20E-10(1.6 0.0)	1594, 1.22E-10(1.6 0.0)	1596, 1.11E-10(1.6 0.0)
1600, 8.05E-11(1.5 0.0)	1602, 8.81E-11(1.5 0.0)	1604, 9.69E-11(1.5 0.0)	1606, 9.37E-11(1.5 0.0)
1610, 8.81E-11(1.5 0.0)	1612, 9.50E-11(1.6 0.0)	1614, 9.88E-11(1.6 0.0)	1616, 1.03E-10(1.6 0.0)
1620, 1.09E-10(1.6 0.0)	1622, 9.75E-11(1.6 0.0)	1624, 9.94E-11(1.6 0.0)	1626, 9.81E-11(1.6 0.0)
1630, 8.62E-11(1.6 0.0)	1632, 9.49E-11(1.6 4.2)	1634, 1.06E-10(1.7 6.4)	1636, 9.66E-11(1.7 4.2)
1640, 9.50E-11(1.8 3.6)	1642, 1.03E-10(1.8 6.3)	1644, 9.94E-11(1.8 12.8)	1646, 9.71E-11(1.8 17.9)
1650, 9.45E-11(1.9 11.3)	1652, 9.02E-11(1.9 14.9)	1654, 9.64E-11(1.9 22.9)	1656, 1.02E-10(1.9 27.9)
1660, 1.01E-10(1.1 21.5)	1662, 9.68E-11(1.1 16.7)	1664, 9.76E-11(1.2 18.6)	1666, 1.02E-10(1.2 16.7)
1670, 1.01E-10(1.3 14.7)	1672, 9.76E-11(1.3 13.8)	1674, 1.00E-10(1.4 18.7)	1676, 1.02E-10(1.4 18.4)
1680, 9.94E-11(1.5 13.2)	1682, 1.02E-10(1.5 15.5)	1684, 9.92E-11(1.5 16.4)	1686, 9.64E-11(1.5 18.1)
1690, 9.74E-11(1.5 26.2)	1692, 9.63E-11(1.5 22.4)	1694, 9.77E-11(1.5 14.8)	1696, 9.56E-11(1.5 11.2)
1700, 7.97E-11(1.5 23.6)	1702, 7.68E-11(1.4 30.8)	1704, 7.69E-11(1.4 28.9)	1706, 8.26E-11(1.5 18.0)
1710, 8.56E-11(1.5 16.1)	1712, 8.52E-11(1.5 17.7)	1714, 8.77E-11(1.5 13.3)	1716, 8.86E-11(1.5 8.1)
1720, 8.61E-11(1.5 1.1)	1722, 9.02E-11(1.5 1.1)	1724, 9.11E-11(1.5 3.8)	1726, 8.73E-11(1.5 4.4)
1730, 8.37E-11(1.5 11.6)	1732, 8.48E-11(1.5 12.8)	1734, 8.67E-11(1.5 8.8)	1736, 8.67E-11(1.5 5.5)
1740, 8.53E-11(1.5 9.2)	1742, 8.58E-11(1.5 7.1)	1744, 8.65E-11(1.5 5.5)	1746, 8.28E-11(1.5 2.3)
1750, 7.61E-11(1.5 1.0)	1752, 8.11E-11(1.5 2.0)	1754, 8.73E-11(1.5 9.1)	1756, 9.07E-11(1.5 7.7)
1760, 1.01E-10(1.5 1.1)	1762, 9.83E-11(1.5 7.0)	1764, 9.07E-11(1.5 5.5)	1766, 8.56E-11(1.5 5.1)
1770, 8.27E-11(1.5 10.0)	1772, 8.14E-11(1.5 10.0)	1774, 8.38E-11(1.5 8.4)	1776, 8.78E-11(1.5 4.8)
1780, 8.94E-11(1.5 1.1)	1782, 8.79E-11(1.5 3.4)	1784, 8.67E-11(1.5 4.1)	1786, 8.37E-11(1.5 2.4)
1790, 8.12E-11(1.5 1.1)	1792, 8.13E-11(1.5 3.1)	1794, 8.12E-11(1.5 7.7)	1796, 8.18E-11(1.5 6.1)
1800, 8.34E-11(1.5 3.9)	1802, 8.31E-11(1.5 4.2)	1804, 8.35E-11(1.5 2.8)	1806, 8.41E-11(1.5 1.0)
1810, 8.37E-11(1.5 2.5)	1812, 8.39E-11(1.5 2.2)	1814, 8.37E-11(1.5 5.5)	1816, 8.31E-11(1.5 1.5)
1820, 8.02E-11(1.5 6.8)	1822, 7.90E-11(1.5 7.1)	1824, 7.93E-11(1.5 6.5)	1826, 8.17E-11(1.5 7.7)
1800, 8.28E-11(1.5 3.8)	1805, 8.36E-11(1.5 1.8)	1810, 8.42E-11(1.5 2.6)	1815, 8.33E-11(1.5 7.7)
1825, 8.05E-11(1.5 6.7)	1830, 8.31E-11(1.5 9.9)	1835, 8.45E-11(1.5 10.7)	1840, 8.01E-11(1.5 5.3)
1850, 6.92E-11(1.5 5.5)	1855, 6.95E-11(1.5 2.1)	1860, 6.73E-11(1.5 1.2)	1865, 6.42E-11(1.5 1.1)
1875, 6.06E-11(1.5 6.9)	1880, 6.39E-11(1.5 7.9)	1885, 6.08E-11(1.5 6.7)	1890, 5.68E-11(1.5 4.4)
1900, 5.72E-11(1.5 8.8)	1905, 5.66E-11(1.5 5.9)	1910, 5.64E-11(1.5 7.5)	1915, 5.75E-11(1.5 1.1)
1925, 5.08E-11(1.5 5.2)	1930, 4.85E-11(1.5 2.0)	1935, 4.63E-11(1.5 1.9)	1940, 4.75E-11(1.5 5.5)
1950, 5.21E-11(1.5 3.5)	1955, 5.17E-11(1.5 7.3)	1960, 5.07E-11(1.5 9.4)	1965, 4.86E-11(1.5 7.3)
1975, 4.60E-11(1.5 15.1)	1980, 4.66E-11(1.5 14.0)	1985, 4.60E-11(1.5 8.6)	1990, 4.60E-11(1.5 11.0)
2000, 4.60E-11(1.5 3.2)	2005, 4.62E-11(1.5 1.1)	2010, 4.43E-11(1.5 8.3)	2015, 4.37E-11(1.5 14.1)
2025, 4.19E-11(1.5 9.2)	2030, 4.12E-11(1.5 7.1)	2035, 4.10E-11(1.5 4.3)	2040, 4.04E-11(1.5 5.2)
2050, 3.83E-11(1.5 6.5)	2055, 3.75E-11(1.5 5.3)	2060, 3.75E-11(1.5 8.2)	2065, 3.72E-11(1.5 8.6)
2075, 3.48E-11(1.5 4.7)	2080, 3.55E-11(1.5 3.9)	2085, 3.63E-11(1.5 5.8)	2090, 3.60E-11(1.5 9.7)
2100, 3.54E-11(1.5 15.7)	2105, 3.58E-11(1.5 13.2)	2110, 3.61E-11(1.5 12.1)	2115, 3.55E-11(1.5 10.4)
2125, 3.40E-11(1.5 5.5)	2130, 3.25E-11(1.5 7.7)	2135, 3.11E-11(1.5 9.4)	2140, 3.06E-11(1.5 7.9)
2150, 3.13E-11(1.5 6.0)	2155, 3.19E-11(1.5 7.0)	2160, 3.22E-11(1.5 7.2)	2165, 3.23E-11(1.5 5.6)
2175, 3.53E-11(1.5 4.5)	2180, 3.55E-11(1.5 5.7)	2185, 3.47E-11(1.5 9.1)	2190, 3.29E-11(1.5 9.3)
2200, 3.13E-11(1.4 3.5)	2205, 3.28E-11(1.4 5.5)	2210, 3.37E-11(1.4 2.0)	2215, 3.41E-11(1.4 2.7)
2225, 3.40E-11(1.4 6.0)	2230, 3.43E-11(1.3 1.2)	2235, 3.49E-11(1.3 3.3)	2240, 3.48E-11(1.3 3.0)
2250, 3.47E-11(1.3 6.0)	2255, 3.51E-11(1.3 4.7)	2260, 3.57E-11(1.3 7.9)	2265, 3.60E-11(1.3 10.7)
2275, 3.74E-11(1.3 5.6)	2280, 3.90E-11(1.2 3.5)	2285, 4.02E-11(1.2 2.5)	2290, 4.08E-11(1.2 0.0)
2300, 4.09E-11(1.2 1.3)	2305, 4.05E-11(1.2 5.2)	2310, 4.11E-11(1.2 10.7)	2315, 4.22E-11(1.1 11.5)
2300, 3.86E-11(1.2 2.5)	2310, 4.03E-11(1.1 7.9)	2320, 4.14E-11(1.1 9.9)	2330, 4.41E-11(1.1 19.0)
2350, 5.21E-11(1.0 8.8)	2360, 5.78E-11(1.0 9.8)	2370, 5.81E-11(1.0 9.7)	2380, 5.10E-11(1.0 9.2)
2400, 4.21E-11(1.0 34.3)	2410, 5.10E-11(1.0 25.8)	2420, 5.39E-11(1.0 22.9)	2430, 5.61E-11(1.0 23.1)
2450, 5.55E-11(1.0 22.1)	2460, 5.51E-11(1.0 24.2)	2470, 5.56E-11(1.0 27.8)	2480, 5.73E-11(1.0 27.8)
2500, 6.19E-11(1.0 18.5)	2510, 6.05E-11(1.0 16.5)	2520, 6.10E-11(1.0 17.8)	2530, 6.13E-11(1.0 18.5)
2550, 5.87E-11(1.0 18.5)	2560, 5.88E-11(1.0 20.5)	2570, 5.90E-11(1.0 21.0)	2580, 6.05E-11(1.0 24.0)
2600, 6.25E-11(1.0 33.5)	2610, 6.31E-11(1.0 31.4)	2620, 6.46E-11(1.0 28.7)	2630E 6.53E-11(1.0 27.0)
2650E 6.38E-11(1.0 28.1)	2660E 6.41E-11(1.0 29.0)	2670E 6.77E-11(1.0 29.6)	2680E 7.25E-11(1.0 28.2)
2700E 7.69E-11(1.0 23.9)	2710E 7.83E-11(1.0 23.1)	2720E 7.72E-11(1.0 21.5)	2730E 7.28E-11(1.0 20.5)
2750E 6.87E-11(1.0 35.3)	2760E 7.09E-11(1.0 44.0)	2770E 7.40E-11(1.0 46.5)	2780E 7.48E-11(1.0 44.0)
2800E 8.04E-11(1.0 34.0)	2810E 8.40E-11(1.0 40.1)	2820E 8.52E-11(1.0 38.1)	2830E 8.57E-11(1.0 33.2)
2850E 8.74E-11(1.0 19.8)	2860E 8.50E-11(1.0 15.6)	2870E 8.34E-11(1.0 13.7)	2880E 8.16E-11(1.0 15.0)
2900E 7.79E-11(1.0 23.6)	2910E 7.51E-11(1.0 28.5)	2920E 7.23E-11(1.0 31.1)	2930E 6.86E-11(1.0 32.3)
2950E 6.26E-11(1.0 31.5)	2960E 6.33E-11(1.0 29.3)	2970E 6.67E-11(1.0 26.5)	2980E 7.12E-11(1.0 24.4)
3000E 7.64E-11(1.0 25.3)	3010E 7.61E-11(1.0 26.5)	3020E 7.46E-11(1.0 26.1)	3030E 7.29E-11(1.0 25.2)
3000E 7.64E-11(1.0 25.1)	3020E 7.38E-11(1.0 26.6)	3040E 7.02E-11(1.0 26.5)	3060E 6.56E-11(1.0 28.8)
3100E 6.83E-11(1.0 35.3)	3120E 7.43E-11(1.0 35.1)	3140E 8.20E-11(1.0 32.6)	3160E 8.79E-11(1.0 30.1)
135, 0.00(0.0 0.0)	139, 0.00(0.0 0.0)	148, 0.00(0.0 0.0)	154, 3.96(1.3 0.0)
166, 3.91(1.1 17.6)	172, 4.06(1.5 8.7)	181, 4.11(1.5 2.6)	192, 4.58(1.5 1.7)
219, 5.06(1.4 2.6)	245, 4.54(1.8 20.8)	280E, 4.24(1.3 29.9)	0, 0.00(0.0 0.0)

X,Y(MM) 10.5 11.8 SL3-122 13 SCANS, T= 225: HR 8243 WT .9,SCALE 1.10

X,Y(MM) 2.2 -5.1 SL4- 70 14 SCANS, T= 215 HR 8243 WT .6,SCALE .90

R = 0.85





**R = 0.78**

X,Y(MM) -17.4 14.9 SL3-122 18 SCANS, T= 225; HR 8281 WT 1.0, SCALE 1.00

$$R = 0.40$$

HD 206365

HD 206365

HD 206365

LAMBDA	F	(WT, SIG)	F - AVE FLUX FROM LAM-DEL/2 TO LAM+DEL/2
1925U	8.92E-12	(.3 0.0)	1930, 1.05E-11(.4 0.0)
1950U	7.48E-12	(.4 0.0)	1955, 1.02E-11(.5 0.0)
1975	1.12E-11	(.6 0.0)	1980, 8.81E-12(.6 0.0)
2000	8.58E-12	(.5 0.0)	2005, 8.40E-12(.5 0.0)
2025U	4.45E-12	(.3 0.0)	2030U, 5.18E-12(.3 0.0)
2050	6.47E-12	(.5 0.0)	2055, 6.68E-12(.6 0.0)
2075	8.80E-12	(.9 0.0)	2080, 9.13E-12(.9 0.0)
2100	7.23E-12	(.9 0.0)	2105, 7.25E-12(.9 0.0)
2125	7.33E-12	(.9 0.0)	2130, 7.04E-12(.9 0.0)
2150	6.94E-12	(.9 0.0)	2155, 7.11E-12(.9 0.0)
2175	5.68E-12	(.9 0.0)	2180, 5.81E-12(.9 0.0)
2200	6.57E-12	(.9 0.0)	2205, 6.25E-12(.9 0.0)
2225	6.43E-12	(.9 0.0)	2230, 6.13E-12(.9 0.0)
2250	5.76E-12	(.9 0.0)	2255, 5.51E-12(.9 0.0)
2275	5.79E-12	(.9 0.0)	2280, 5.73E-12(.9 0.0)
2300	5.67E-12	(.9 0.0)	2305, 5.70E-12(.9 0.0)
2330	5.66E-12	(.9 0.0)	2330, 5.69E-12(.9 0.0)
2350	5.44E-12	(.9 0.0)	2350, 5.08E-12(.9 0.0)
2400	4.90E-12	(.9 0.0)	2410, 5.19E-12(.9 0.0)
2450	5.14E-12	(.9 0.0)	2460, 5.39E-12(.9 0.0)
2500	5.47E-12	(.9 0.0)	2510, 5.36E-12(.9 0.0)
2550	5.46E-12	(.9 0.0)	2560, 5.45E-12(.9 0.0)
2600	5.56E-12	(.9 0.0)	2610, 5.68E-12(.9 0.0)
2650	5.61E-12	(.9 0.0)	2660, 5.61E-12(.9 0.0)
2700	5.38E-12	(.9 0.0)	2710, 5.48E-12(.9 0.0)
2750	5.44E-12	(.9 0.0)	2760, 5.44E-12(.9 0.0)
2800	5.57E-12	(.9 0.0)	2810, 5.66E-12(.9 0.0)
2850	5.93E-12	(.9 0.0)	2860, 5.90E-12(.9 0.0)
2900	5.97E-12	(.9 0.0)	2910, 5.95E-12(.9 0.0)
2950	5.97E-12	(.9 0.0)	2960, 5.98E-12(.9 0.0)
3000	5.95E-12	(.9 0.0)	3010, 5.99E-12(.9 0.0)
3030	5.95E-12	(.9 0.0)	3040, 5.85E-12(.9 0.0)
3100	6.07E-12	(.9 0.0)	3120, 5.91E-12(.9 0.0)
3200	5.58E-12	(.9 0.0)	3220, 5.57E-12(.8 0.0)
3300	5.74E-12	(.8 0.0)	3320, 5.69E-12(.8 0.0)
3400	5.39E-12	(.8 0.0)	3420, 5.25E-12(.8 0.0)
3500	4.64E-12	(.8 0.0)	3520, 4.56E-12(.8 0.0)
3600	4.50E-12	(.8 0.0)	3620, 4.66E-12(.8 0.0)
3700	5.51E-12	(.8 0.0)	3720, 5.67E-12(.7 0.0)
3800	6.87E-12	(.7 0.0)	3820, 7.14E-12(.7 0.0)
3900	7.66E-12	(.7 0.0)	3920, 7.73E-12(.7 0.0)
4000	8.21E-12	(.7 0.0)	4020, 8.32E-12(.7 0.0)
4100	8.27E-12	(.7 0.0)	4120, 8.17E-12(.8 0.0)
135	0.00(0.0 0.0)		139, 0.00(0.0 0.0)
166	0.00(0.0 0.0)		172, 0.00(0.0 0.0)
219	6.89(.9 0.0)		245, 7.09(.9 0.0)
1945U	7.28E-12	(.3 0.0)	1945U, 7.28E-12(.3 0.0)
1970	1.06E-11	(.6 0.0)	1970, 1.06E-11(.6 0.0)
1995	8.44E-12	(.6 0.0)	1995, 8.44E-12(.6 0.0)
2020U	5.20E-12	(.3 0.0)	2020U, 5.20E-12(.3 0.0)
2045	6.72E-12	(.5 0.0)	2045, 6.72E-12(.5 0.0)
2070	8.27E-12	(.9 0.0)	2070, 8.27E-12(.9 0.0)
2095	7.38E-12	(.9 0.0)	2095, 7.38E-12(.9 0.0)
2120	7.37E-12	(.9 0.0)	2120, 7.37E-12(.9 0.0)
2145	6.85E-12	(.9 0.0)	2145, 6.85E-12(.9 0.0)
2170	5.85E-12	(.9 0.0)	2170, 5.85E-12(.9 0.0)
2195	6.85E-12	(.9 0.0)	2195, 6.85E-12(.9 0.0)
2220	6.50E-12	(.9 0.0)	2220, 6.50E-12(.9 0.0)
2245	6.01E-12	(.9 0.0)	2245, 6.01E-12(.9 0.0)
2270	5.66E-12	(.9 0.0)	2270, 5.66E-12(.9 0.0)
2295	5.60E-12	(.9 0.0)	2295, 5.60E-12(.9 0.0)
2340	5.33E-12	(.9 0.0)	2340, 5.33E-12(.9 0.0)
2380	4.67E-12	(.9 0.0)	2380, 4.67E-12(.9 0.0)
2440	5.15E-12	(.9 0.0)	2440, 5.15E-12(.9 0.0)
2490	5.48E-12	(.9 0.0)	2490, 5.48E-12(.9 0.0)
2540	5.35E-12	(.9 0.0)	2540, 5.35E-12(.9 0.0)
2590	5.44E-12	(.9 0.0)	2590, 5.44E-12(.9 0.0)
2640	5.63E-12	(.9 0.0)	2640, 5.63E-12(.9 0.0)
2690	5.33E-12	(.9 0.0)	2690, 5.33E-12(.9 0.0)
2740	5.49E-12	(.9 0.0)	2740, 5.49E-12(.9 0.0)
2790	5.49E-12	(.9 0.0)	2790, 5.49E-12(.9 0.0)
2840	5.90E-12	(.9 0.0)	2840, 5.90E-12(.9 0.0)
2890	5.92E-12	(.9 0.0)	2890, 5.92E-12(.9 0.0)
2940	5.93E-12	(.9 0.0)	2940, 5.93E-12(.9 0.0)
2990	5.90E-12	(.9 0.0)	2990, 5.90E-12(.9 0.0)
3080	6.01E-12	(.9 0.0)	3080, 6.01E-12(.9 0.0)
3180	5.58E-12	(.9 0.0)	3180, 5.58E-12(.9 0.0)
3280	5.82E-12	(.8 0.0)	3280, 5.82E-12(.8 0.0)
3380	5.58E-12	(.8 0.0)	3380, 5.58E-12(.8 0.0)
3480	4.78E-12	(.8 0.0)	3480, 4.78E-12(.8 0.0)
3580	4.44E-12	(.8 0.0)	3580, 4.44E-12(.8 0.0)
3680	5.34E-12	(.8 0.0)	3680, 5.34E-12(.8 0.0)
3780	6.53E-12	(.7 0.0)	3780, 6.53E-12(.7 0.0)
3880	7.60E-12	(.7 0.0)	3880, 7.60E-12(.7 0.0)
3980	8.06E-12	(.7 0.0)	3980, 8.06E-12(.7 0.0)
4080	8.35E-12	(.7 0.0)	4080, 8.35E-12(.7 0.0)
4180	7.81E-12	(.8 0.0)	4180, 7.81E-12(.8 0.0)
154	0.00(0.0 0.0)		161, 0.00(0.0 0.0)
192	0.00(0.0 0.0)		204, 6.71(.6 0.0)
360	6.97(.8 0.0)		0, 0.00(0.0 0.0)

X,Y(MM) -.2 1.1 SL3- 62 16 SCANS, T= 225: HD 206365 WT .9, SCALE 1.00

R = 1.62:

HD 206672

PI-1 CYG

HD 206672

LAMBDA	F	( WT, SIG)	F - AVE FLUX	FROM LAM-DEL/2	TO LAM+DEL/2
1340	0	(0.0 0.0)	1342	0	(0.0 0.0)
1350U	1.05E-09	(.3 0.0)	1350U	8.09E-10	(.4 0.0)
1360U	9.74E-10	(.5 0.0)	1360U	9.93E-10	(.5 0.0)
1370	9.69E-10	(.5 0.0)	1370	8.21E-10	(.5 0.0)
1380	7.99E-10	(.5 0.0)	1380U	7.45E-10	(.5 0.0)
1390U	6.03E-10	(.4 0.0)	1390U	5.57E-10	(.4 0.0)
1400	7.35E-10	(.7 0.0)	1402	6.88E-10	(.6 0.0)
1410	7.73E-10	(.8 0.0)	1412	7.47E-10	(.9 0.0)
1420	7.04E-10	(.9 0.0)	1422	6.91E-10	(.8 0.0)
1430	6.09E-10	(.9 0.0)	1432	6.86E-10	(.8 0.0)
1440	6.48E-10	(.9 0.0)	1442	5.99E-10	(.8 0.0)
1450	6.03E-10	(.9 0.0)	1452	6.20E-10	(.9 0.0)
1460	5.64E-10	(.9 0.0)	1462	5.08E-10	(.9 0.0)
1470	5.46E-10	(.9 0.0)	1472	5.33E-10	(.9 0.0)
1480	5.17E-10	(.9 0.0)	1482	5.36E-10	(.9 0.0)
1490	5.30E-10	(.9 0.0)	1492	5.13E-10	(.9 0.0)
1500	4.97E-10	(.9 0.0)	1502	5.03E-10	(.9 0.0)
1510	5.16E-10	(.9 0.0)	1512	4.98E-10	(.9 0.0)
1520	5.02E-10	(.9 0.0)	1522	5.12E-10	(.9 0.0)
1530	4.83E-10	(.9 0.0)	1532	4.83E-10	(.9 0.0)
1540	4.76E-10	(.9 0.0)	1542	4.43E-10	(.9 0.0)
1550	4.03E-10	(.9 0.0)	1552	3.99E-10	(.9 0.0)
1560	4.48E-10	(.9 0.0)	1562	4.27E-10	(.9 0.0)
1570	4.23E-10	(.9 0.0)	1572	4.32E-10	(.9 0.0)
1580	4.39E-10	(.9 0.0)	1582	4.36E-10	(.9 0.0)
1590	4.94E-10	(.9 0.0)	1592	4.86E-10	(.9 0.0)
1600	4.56E-10	(.9 0.0)	1602	4.49E-10	(.9 0.0)
1610	4.12E-10	(.9 0.0)	1612	3.91E-10	(.9 0.0)
1620	3.93E-10	(.9 0.0)	1622	3.93E-10	(.9 0.0)
1630	4.32E-10	(.9 0.0)	1632	4.12E-10	(.9 0.0)
1640	4.13E-10	(.9 0.0)	1642	4.16E-10	(.9 0.0)
1650	4.17E-10	(.9 0.0)	1652	4.27E-10	(.9 0.0)
1660	4.70E-10	(.9 0.0)	1672	4.78E-10	(.9 0.0)
1670	4.78E-10	(.9 0.0)	1672	4.82E-10	(.9 0.0)
1680	4.43E-10	(.9 0.0)	1682	4.31E-10	(.9 0.0)
1690	4.53E-10	(.9 0.0)	1692	4.44E-10	(.9 0.0)
1700	4.12E-10	(.9 0.0)	1702	4.04E-10	(.9 0.0)
1710	4.05E-10	(.9 0.0)	1712	3.94E-10	(.9 0.0)
1720	3.77E-10	(.9 0.0)	1722	3.65E-10	(.9 0.0)
1730	3.90E-10	(.9 0.0)	1732	3.83E-10	(.9 0.0)
1740	3.81E-10	(.9 0.0)	1742	3.93E-10	(.9 0.0)
1750	3.69E-10	(.9 0.0)	1752	3.55E-10	(.9 0.0)
1760	3.51E-10	(.9 0.0)	1762	3.60E-10	(.9 0.0)
1770	3.55E-10	(.9 0.0)	1772	3.50E-10	(.9 0.0)
1780	3.15E-10	(.9 0.0)	1782	3.22E-10	(.9 0.0)
1790	3.17E-10	(.9 0.0)	1792	2.98E-10	(.9 0.0)
1800	3.33E-10	(.8 0.0)	1802	3.47E-10	(.8 0.0)
1810	3.26E-10	(.8 0.0)	1812	3.23E-10	(.8 0.0)
1820	3.37E-10	(.8 0.0)	1822	3.46E-10	(.8 0.0)
1800	3.33E-10	(.8 0.0)	1805	3.52E-10	(.8 0.0)
1825	3.50E-10	(.8 0.0)	1830	3.33E-10	(.8 0.0)
1850	2.96E-10	(.8 0.0)	1855	2.87E-10	(.8 0.0)
1875	2.97E-10	(.8 0.0)	1880	3.03E-10	(.8 0.0)
1900	2.70E-10	(.8 0.0)	1905	2.78E-10	(.8 0.0)
1925	2.50E-10	(.8 0.0)	1930	2.52E-10	(.8 0.0)
1950	2.51E-10	(.7 0.0)	1955	2.60E-10	(.7 0.0)
1975	2.56E-10	(.7 0.0)	1980	2.64E-10	(.7 0.0)
2000	2.28E-10	(.7 0.0)	2005	2.40E-10	(.7 0.0)
2025	2.16E-10	(.6 0.0)	2030	2.17E-10	(.6 0.0)
2050	2.40E-10	(.6 0.0)	2055	2.35E-10	(.6 0.0)
2075	2.28E-10	(.6 0.0)	2080	2.36E-10	(.6 0.0)
2100	2.11E-10	(.5 0.0)	2105	2.31E-10	(.5 0.0)
2125	2.23E-10	(.5 0.0)	2130E	2.22E-10	(.5 0.0)
2150E	2.43E-10	(.4 0.0)	2155E	2.38E-10	(.4 0.0)
2175E	2.18E-10	(.4 0.0)	2180E	2.18E-10	(.4 0.0)
2200E	2.41E-10	(.4 0.0)	2205E	2.42E-10	(.4 0.0)
2225E	2.38E-10	(.4 0.0)	2230E	2.45E-10	(.3 0.0)
2250E	2.51E-10	(.3 0.0)	2255E	2.51E-10	(.3 0.0)
2275E	2.46E-10	(.3 0.0)	2280E	2.51E-10	(.3 0.0)
2300E	2.34E-10	(.3 0.0)	2305E	2.34E-10	(.3 0.0)
2300E	2.35E-10	(.3 0.0)	2310E	2.37E-10	(.3 0.0)
2350E	2.28E-10	(.3 0.0)	2360E	2.17E-10	(.3 0.0)
135U	1.46E-10	(.4 0.0)	139	1.82E-10	(.6 0.0)
166	2.30E-10	(.0 0.0)	172	2.44E-10	(.9 0.0)
219E	2.96E-10	(.4 0.0)	245	0.00E-10	(.0 0.0)
148	2.08E-10	(.0 0.0)	181	2.62E-10	(.8 0.0)
154	2.25E-10	(.0 0.0)	192	2.83E-10	(.7 0.0)
160	0.00E-10	(.0 0.0)	280	0.00E-10	(.0 0.0)
1348U	9.40E-10	(.4 0.0)	1348U	8.56E-10	(.4 0.0)
1358	1.02E-09	(.4 0.0)	1358U	9.48E-10	(.6 0.0)
1368	9.22E-10	(.5 0.0)	1368	8.34E-10	(.5 0.0)
1378	8.43E-10	(.5 0.0)	1378	7.37E-10	(.5 0.0)
1388U	6.33E-10	(.4 0.0)	1388	6.08E-10	(.6 0.0)
1398	7.64E-10	(.7 0.0)	1398	6.51E-10	(.6 0.0)
1408	7.00E-10	(.7 0.0)	1408	6.25E-10	(.6 0.0)
1418	6.83E-10	(.9 0.0)	1418	6.70E-10	(.8 0.0)
1428	6.19E-10	(.9 0.0)	1428	5.26E-10	(.8 0.0)
1438	5.93E-10	(.9 0.0)	1438	4.94E-10	(.8 0.0)
1448	6.49E-10	(.9 0.0)	1448	6.27E-10	(.9 0.0)
1458	6.21E-10	(.9 0.0)	1458	6.61E-10	(.9 0.0)
1468	5.71E-10	(.9 0.0)	1468	5.74E-10	(.9 0.0)
1478	5.16E-10	(.9 0.0)	1478	5.36E-10	(.9 0.0)
1488	5.37E-10	(.9 0.0)	1488	5.20E-10	(.9 0.0)
1498	4.80E-10	(.9 0.0)	1498	4.91E-10	(.9 0.0)
1508	5.20E-10	(.9 0.0)	1508	5.08E-10	(.9 0.0)
1518	5.39E-10	(.9 0.0)	1518	4.94E-10	(.9 0.0)
1528	4.64E-10	(.9 0.0)	1528	4.83E-10	(.9 0.0)
1538	4.65E-10	(.9 0.0)	1538	4.27E-10	(.9 0.0)
1548	4.35E-10	(.9 0.0)	1548	4.43E-10	(.9 0.0)
1558	4.48E-10	(.9 0.0)	1558	4.27E-10	(.9 0.0)
1568	4.30E-10	(.9 0.0)	1568	4.44E-10	(.9 0.0)
1578	4.44E-10	(.9 0.0)	1578	4.45E-10	(.9 0.0)
1588	4.87E-10	(.9 0.0)	1588	4.58E-10	(.9 0.0)
1598	4.93E-10	(.9 0.0)	1598	4.50E-10	(.9 0.0)
1608	4.23E-10	(.9 0.0)	1608	4.30E-10	(.9 0.0)
1618	3.91E-10	(.9 0.0)	1618	3.96E-10	(.9 0.0)
1628	4.50E-10	(.9 0.0)	1628	4.42E-10	(.9 0.0)
1638	4.18E-10	(.9 0.0)	1638	4.20E-10	(.9 0.0)
1648	4.22E-10	(.9 0.0)	1648	4.21E-10	(.9 0.0)
1658	4.31E-10	(.9 0.0)	1658	4.52E-10	(.9 0.0)
1668	4.36E-10	(.9 0.0)	1668	4.60E-10	(.9 0.0)
1678	4.41E-10	(.9 0.0)	1678	4.43E-10	(.9 0.0)
1688	4.66E-10	(.9 0.0)	1688	4.46E-10	(.9 0.0)
1698	4.18E-10	(.9 0.0)	1698	4.29E-10	(.9 0.0)
1708	4.09E-10	(.9 0.0)	1708	4.07E-10	(.9 0.0)
1718	3.91E-10	(.9 0.0)	1718	3.97E-10	(.9 0.0)
1728	3.83E-10	(.9 0.0)	1728	3.65E-10	(.9 0.0)
1738	3.79E-10	(.9 0.0)	1738	3.79E-10	(.9 0.0)
1748	3.86E-10	(.9 0.0)	1748	3.93E-10	(.9 0.0)
1758	3.36E-10	(.9 0.0)	1758	3.32E-10	(.9 0.0)
1768	3.52E-10	(.9 0.0)	1768	3.50E-10	(.9 0.0)
1778	3.18E-10	(.9 0.0)	1778	3.27E-10	(.9 0.0)
1788	3.38E-10	(.9 0.0)	1788	3.45E-10	(.9 0.0)
1798	3.17E-10	(.9 0.0)	1798	3.02E-10	(.9 0.0)
1808	3.36E-10	(.8 0.0)	1808	3.51E-10	(.8 0.0)
1818	3.28E-10	(.8 0.0)	1818	3.24E-10	(.8 0.0)
1828	3.49E-10	(.8 0.0)	1828	3.49E-10	(.8 0.0)
1820	3.37E-10	(.8 0.0)	1820	3.24E-10	(.8 0.0)
1845	3.08E-10	(.8 0.0)	1840	3.17E-10	(.8 0.0)
1870	2.92E-10	(.8 0.0)	1865	2.95E-10	(.8 0.0)
1895	2.80E-10	(.8 0.0)	1890	2.87E-10	(.8 0.0)
1920	2.51E-10	(.8 0.0)	1915	2.60E-10	(.8 0.0)
1945	2.49E-10	(.7 0.0)	1940	2.44E-10	(.7 0.0)
1970	2.55E-10	(.7 0.0)	1965	2.56E-10	(.7 0.0)
1995	2.35E-10	(.7 0.0)	1990	2.55E-10	(.7 0.0)
2020	2.27E-10	(.6 0.0)	2015	2.35E-10	(.6 0.0)
2045	2.37E-10	(.6 0.0)	2040	2.30E-10	(.6 0.0)
2070	2.19E-10	(.6 0.0)	2065	2.16E-10	(.6 0.0)
2095	2.34E-10	(.5 0.0)	2090	2.33E-10	(.5 0.0)
2120E	2.29E-10	(.5 0.0)	2115E	2.36E-10	(.5 0.0)
2145E	2.50E-10	(.4 0.0)	2140E	2.47E-10	(.4 0.0)
2170E	2.18E-10	(.4 0.0)	2165E	2.25E-10	(.4 0.0)
2195E	2.33E-10	(.4 0.0)	2190E	2.24E-10	(.4 0.0)
2220E	2.38E-10	(.4 0.0)	2215E	2.41E-10	(.4 0.0)
2245E	2.50E-10	(.3 0.0)	2240E	2.49E-10	(.3 0.0)
2260E	2.41E-10	(.3 0.0)	2255E	2.36E-10	(.3 0.0)
2295E	2.45E-10	(.3 0.0)	2290E	2.53E-10	(.3 0.0)
2300E	0.0	(.0 0.0)	2315E	2.37E-10	(.3 0.0)
2340E	2.45E-10	(.3 0.0)	2330E	2.49E-10	(.3 0.0)
2390E	2.26E-10	(.2 0.0)	2380E	2.20E-10	(.3 0.0)

X,Y(MM) 9.6 -8.0 SL3- 62 23 SCANS, T= 225: PI-1 CYG WT 1.0, SCALE 1.00

R = 1.00

$\bar{R} = 1.00:$



[illegible]

X,Y(NM) -14.5 -12.9 SL3-118 11 SCANS, T= 235 HR 8375 WT .9, SCALE 1.00

$R = 0.71$



HD 208816

VV CEP

HD 208816

LAMBDA F (WT, SIG) F = AVE FLUX FROM LAM-DEL/2 TO LAM+DEL/2

22750, 1.21E-12(1.6 24.4)	2280, 1.20E-12(1.7 7.3)	2285, 1.45E-12(1.8 8.9)	2290, 1.63E-12(1.9 9.2)	2295, 1.80E-12(1.0 2.6)
2300, 1.98E-12(1.0 0.0)	2305, 2.05E-12(1.1 5.4)	2310, 2.03E-12(1.2 13.2)	2315, 1.93E-12(1.2 15.3)	0, 0.0 (0.0 0.0)
2300, 1.96E-12(1.1 1.0)	2310, 2.01E-12(1.1 12.3)	2320, 1.80E-12(1.1 10.9)	2330, 1.90E-12(1.0 4.0)	2340, 2.23E-12(1.1 14.5)
2350, 2.28E-12(1.1 5.0)	2360, 2.01E-12(1.2 4.2)	2370, 2.10E-12(1.3 6.0)	2380, 2.38E-12(1.5 6.8)	2390, 2.26E-12(1.4 3.6)
2400, 2.17E-12(1.4 5.5)	2410, 2.54E-12(1.5 6.8)	2420, 2.97E-12(1.5 2.5)	2430, 3.21E-12(1.5 4.5)	2440, 3.27E-12(1.5 3.6)
2450, 3.25E-12(1.5 5.1)	2460, 3.34E-12(1.5 12.7)	2470, 3.59E-12(1.5 12.1)	2480, 3.88E-12(1.5 8.4)	2490, 4.09E-12(1.5 5.3)
2500, 4.23E-12(1.5 9.0)	2510, 4.16E-12(1.5 1.5)	2520, 3.91E-12(1.5 7.7)	2530, 3.80E-12(1.5 4.4)	2540, 3.74E-12(1.5 7.7)
2550, 3.65E-12(1.5 1.3)	2560, 3.61E-12(1.5 2.1)	2570, 3.68E-12(1.5 1.8)	2580, 3.77E-12(1.5 4.7)	2590, 3.89E-12(1.5 5.5)
2600, 4.01E-12(1.4 2.7)	2610, 4.08E-12(1.4 1.3)	2620, 4.13E-12(1.4 2.7)	2630, 4.13E-12(1.4 2.3)	2640, 4.14E-12(1.4 1.1)
2650, 4.20E-12(1.4 5.5)	2660, 4.31E-12(1.4 1.2)	2670, 4.38E-12(1.4 2.1)	2680, 4.42E-12(1.4 3.4)	2690, 4.56E-12(1.4 4.6)
2700, 4.80E-12(1.4 5.5)	2710, 5.10E-12(1.3 4.3)	2720, 5.39E-12(1.3 6.0)	2730, 5.63E-12(1.3 3.9)	2740, 5.68E-12(1.3 5.3)
2750, 5.60E-12(1.3 3.4)	2760, 5.55E-12(1.3 2.2)	2770, 5.58E-12(1.3 2.3)	2780, 5.64E-12(1.3 2.9)	2790, 5.66E-12(1.3 2.2)
2800, 5.63E-12(1.3 2.3)	2810, 5.51E-12(1.3 3.8)	2820, 5.59E-12(1.3 5.7)	2830, 5.69E-12(1.3 6.6)	2840, 5.81E-12(1.3 7.1)
2850, 5.86E-12(1.3 7.5)	2860, 5.81E-12(1.3 8.2)	2870, 5.78E-12(1.3 7.8)	2880, 5.77E-12(1.3 5.6)	2890, 5.76E-12(1.3 2.3)
2900, 5.67E-12(1.3 1.5)	2910, 5.51E-12(1.3 3.8)	2920, 5.33E-12(1.3 5.6)	2930, 5.25E-12(1.3 5.8)	2940, 5.29E-12(1.3 4.9)
2950, 5.40E-12(1.3 2.9)	2960, 5.46E-12(1.3 4.4)	2970, 5.42E-12(1.3 1.1)	2980, 5.31E-12(1.3 1.1)	2990, 5.20E-12(1.3 2.7)
3000, 5.13E-12(1.3 5.9)	3010, 5.07E-12(1.3 8.2)	3020, 5.06E-12(1.3 8.5)	3030, 5.02E-12(1.3 7.3)	0, 0.0 (0.0 0.0)
3000, 5.13E-12(1.3 5.8)	3020, 5.01E-12(1.3 8.3)	3040, 5.03E-12(1.3 5.7)	3060, 5.15E-12(1.3 4.5)	3080, 5.24E-12(1.3 5.6)
3100, 5.21E-12(1.2 6.4)	3120, 5.31E-12(1.2 7.3)	3140, 5.54E-12(1.2 6.9)	3160, 5.77E-12(1.1 3.1)	3180, 5.92E-12(1.1 7.7)
3200, 5.92E-12(1.1 1.1)	3220, 5.81E-12(1.1 6.0)	3240, 5.93E-12(1.1 1.6)	3260, 6.02E-12(1.1 3.0)	3280, 6.15E-12(1.0 3.8)
3300, 6.19E-12(1.0 3.6)	3320, 6.11E-12(1.0 3.1)	3340, 6.08E-12(1.0 4.5)	3360, 6.13E-12(1.0 8.1)	3380, 6.08E-12(1.0 9.4)
3400, 6.03E-12(1.0 8.0)	3420, 5.96E-12(1.0 5.3)	3440, 5.89E-12(1.0 4.0)	3460, 5.71E-12(1.0 2.6)	3480, 5.52E-12(1.0 1.9)
3500, 5.34E-12(1.0 1.8)	3520, 5.23E-12(1.0 2.6)	3540, 5.13E-12(1.0 4.2)	3560, 5.01E-12(1.1 5.7)	3580, 4.88E-12(1.1 6.7)
3600, 4.70E-12(1.1 6.0)	3620, 4.53E-12(1.1 4.6)	3640, 4.43E-12(1.1 4.0)	3660, 4.36E-12(1.1 3.9)	3680, 4.30E-12(1.1 4.4)
3700, 4.22E-12(1.1 5.4)	3720, 4.11E-12(1.1 6.5)	3740, 4.10E-12(1.2 9.5)	3760, 4.11E-12(1.1 13.7)	3780, 4.18E-12(1.1 17.6)
3800, 4.26E-12(1.1 19.8)	3820, 4.31E-12(1.1 19.6)	3840, 4.39E-12(1.1 17.2)	3860, 4.46E-12(1.1 14.3)	3880, 4.53E-12(1.1 11.4)
3900, 4.61E-12(1.1 8.4)	3920, 4.71E-12(1.1 6.4)	3940, 4.76E-12(1.2 5.1)	3960, 4.80E-12(1.2 3.7)	3980, 4.82E-12(1.2 2.5)
4000, 4.82E-12(1.2 2.2)	4020, 4.81E-12(1.2 2.2)	4040, 4.83E-12(1.2 2.5)	4060, 4.86E-12(1.2 3.4)	4080, 4.93E-12(1.2 4.8)
4100, 5.01E-12(1.2 6.2)	4120, 5.14E-12(1.2 7.2)	4140, 5.28E-12(1.2 8.1)	4160, 5.46E-12(1.2 8.3)	4180, 5.65E-12(1.2 8.1)
135, 0.00(0.0 0.0)	139, 0.00(0.0 0.0)	148, 0.00(0.0 0.0)	154, 0.00(0.0 0.0)	161, 0.00(0.0 0.0)
166, 0.00(0.0 0.0)	172, 0.00(0.0 0.0)	181, 0.00(0.0 0.0)	192, 0.00(0.0 0.0)	204, 0.00(0.0 0.0)
219, 0.00(0.0 0.0)	245, 7.65(1.4 2.3)	280, 7.11(1.3 5.5)	360, 7.15(1.1 3.8)	0, 0.00(0.0 0.0)

X,Y(MM) -2.7 -6.7 SL3-127 14 SCANS, T= 225 VV CEP WT .9, SCALE 1.02

X,Y(MM) -3.8 7.1 SL3-222 7 SCANS, T= 272 VV CEP WT .6, SCALE .96

R = &lt;0.87&gt;

R = 0.83+-

LAMBDA F (WT. SIG.)				F = -AVE FLUX FROM LAM-DEL/2 TO LAM-DEL/2				LAMBDA F (WT. SIG.)				F = -AVE FLUX FROM LAM-DEL/2 TO LAM-DEL/2			
1590	1.26E-10	(9.0)	0.0	1592	1.15E-10	(7.4)	6.4	1594	9.00E-11	(6.4)	6.4	1596	7.78E-11	(6.7)	7.1
1600	9.35E-11	(7.13)	1.0	1602	9.26E-11	(8.15)	4.4	1604	9.89E-11	(9.14)	1.0	1606	1.09E-10	(10.16)	1.0
1610	8.42E-11	(9.20)	8.0	1612	8.10E-11	(8.17)	7.7	1614	7.97E-11	(8.16)	4.4	1616	7.54E-11	(8.20)	7.7
1620	7.84E-11	(9.22)	6.0	1622	9.32E-11	(1.23)	2.2	1624	9.00E-11	(1.18)	4.4	1626	7.81E-11	(1.23)	2.2
1630	1.03E-10	(1.22)	8.0	1632	9.77E-11	(1.28)	7.7	1634	8.00E-11	(1.28)	3.0	1636	6.20E-11	(9.23)	0.0
1640	4.81E-11	(8.21)	9.0	1642	5.81E-11	(9.32)	1.0	1644	7.36E-11	(1.22)	24.0	1646	8.18E-11	(1.52)	20.0
1650	7.61E-11	(3.25)	7.0	1652	7.43E-11	(3.21)	0.0	1654	6.65E-11	(3.15)	5.0	1656	6.19E-11	(3.14)	0.0
1660	7.72E-11	(5.16)	9.0	1662	6.64E-11	(4.15)	3.0	1664	6.48E-11	(1.13)	3.0	1666	6.41E-11	(1.13)	3.0
1670	7.02E-11	(1.14)	7.0	1672	7.58E-11	(1.15)	2.2	1674	7.12E-11	(1.53)	9.0	1676	7.23E-11	(1.11)	7.0
1680	7.02E-11	(1.14)	7.0	1682	7.58E-11	(1.15)	2.2	1684	7.94E-11	(1.53)	30.0	1686	8.06E-11	(1.53)	33.0
1690	7.57E-11	(1.11)	11.0	1692	7.63E-11	(1.15)	8.2	1694	7.46E-11	(1.15)	11.3	1696	7.01E-11	(1.15)	16.1
1700	7.11E-11	(1.15)	15.2	1702	7.36E-11	(1.15)	20.4	1704	7.18E-11	(1.15)	16.4	1706	7.24E-11	(1.15)	6.5
1710	7.20E-11	(1.15)	1.4	1712	7.06E-11	(1.15)	9.6	1714	7.21E-11	(1.15)	17.6	1716	7.42E-11	(1.15)	20.1
1720	6.82E-11	(1.15)	17.4	1722	6.80E-11	(1.15)	18.1	1724	6.83E-11	(1.15)	19.8	1726	6.77E-11	(1.15)	17.7
1730	6.36E-11	(1.15)	2.6	1732	6.54E-11	(1.15)	3.3	1734	6.56E-11	(1.15)	4.9	1736	6.41E-11	(1.15)	0.2
1740	7.07E-11	(1.15)	2.0	1742	7.24E-11	(1.15)	2.2	1744	7.45E-11	(1.15)	2.0	1746	7.50E-11	(1.15)	3.0
1750	6.36E-11	(1.15)	7.2	1752	6.43E-11	(1.15)	4.4	1754	6.06E-11	(1.15)	4.4	1756	5.81E-11	(1.15)	5.0
1760	5.94E-11	(1.15)	0.0	1762	6.24E-11	(1.15)	4.4	1764	6.31E-11	(1.15)	3.3	1766	6.07E-11	(1.15)	6.4
1770	5.94E-11	(1.15)	2.8	1772	6.22E-11	(1.15)	2.9	1774	6.22E-11	(1.15)	2.8	1776	6.06E-11	(1.15)	2.3
1780	5.69E-11	(1.15)	1.2	1782	5.67E-11	(1.15)	5.2	1784	5.81E-11	(1.15)	7.3	1786	5.87E-11	(1.15)	8.7
1790	5.83E-11	(1.15)	8.3	1792	5.85E-11	(1.15)	6.7	1794	5.89E-11	(1.15)	1.4	1796	5.89E-11	(1.15)	5.6
1800	5.97E-11	(1.15)	10.8	1802	5.98E-11	(1.15)	10.9	1804	6.05E-11	(1.15)	11.4	1806	6.14E-11	(1.15)	12.1
1810	6.10E-11	(1.15)	14.0	1812	5.92E-11	(1.15)	13.7	1814	5.77E-11	(1.15)	11.7	1816	5.81E-11	(1.15)	7.2
1820	6.08E-11	(1.15)	9.3	1822	6.09E-11	(1.15)	14.3	1824	6.07E-11	(1.15)	17.6	1826	6.44E-11	(1.15)	18.0
1800	5.92E-11	(1.15)	10.1	1805	6.09E-11	(1.15)	11.6	1810							

X, Y (MM)	-7.4	-2.9	SL3-127	14 SCANS, T= 225	HR 8399	WT .9, SCALE .99
X, Y (MM)	-9.8	-1.6	SL3-222	7 SCANS, T= 272	HR 8399	WT .6, SCALE 1.01

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LAMBDA	F	( WT, SIG)	F = AVE FLUX	FROM LAM-DEL/2	TO LAM+DEL/2
1520	0.28E-10	(3 0 0)	1512	0.0E-10	(0 0 0)
1530	1.43E-10	(2 0 0)	1522	2.17E-10	(3 0 0)
1540	1.54E-10	(2 0 0)	1532	1.91E-10	(2 0 0)
1550	8.66E-11	(1 0 0)	1542	1.08E-10	(1 0 0)
1560	1.91E-10	(4 0 0)	1552	6.44E-11	(1 0 0)
1570	1.83E-10	(4 0 0)	1562	1.67E-10	(4 0 0)
1580	1.76E-10	(4 0 0)	1572	1.89E-10	(4 0 0)
1590	2.19E-10	(7 0 0)	1582	1.61E-10	(5 0 0)
1600	0.03E-10	(6 0 0)	1592	2.32E-10	(7 0 0)
1610	1.51E-10	(4 0 0)	1602	1.07E-10	(6 0 0)
1620	1.06E-10	(3 0 0)	1612	1.50E-10	(4 0 0)
1630	1.26E-10	(3 0 0)	1622	1.21E-10	(3 0 0)
1640	1.60E-10	(5 0 0)	1632	1.27E-10	(4 0 0)
1650	1.48E-10	(6 0 0)	1642	1.69E-10	(6 0 0)
1660	2.09E-10	(7 0 0)	1652	1.59E-10	(7 0 0)
1670	1.70E-10	(7 0 0)	1662	2.10E-10	(7 0 0)
1680	1.00E-10	(6 0 0)	1672	1.91E-10	(7 0 0)
1690	1.87E-10	(7 0 0)	1682	1.68E-10	(7 0 0)
1700	1.54E-10	(7 0 0)	1692	1.93E-10	(7 0 0)
1710	2.07E-10	(7 0 0)	1702	1.72E-10	(7 0 0)
1720	1.48E-10	(7 0 0)	1712	2.01E-10	(7 0 0)
1730	1.52E-10	(7 0 0)	1722	1.54E-10	(7 0 0)
1740	1.86E-10	(7 0 0)	1732	1.64E-10	(7 0 0)
1750	1.80E-10	(8 16 7)	1742	1.91E-10	(7 14 9)
1760	1.70E-10	(8 16 7)	1752	1.75E-10	(8 12 5)
1770	1.97E-10	(1 9 6)	1762	1.79E-10	(8 13 7)
1780	2.29E-10	(1 3 21 1)	1772	1.99E-10	(1 5 5)
1790	2.10E-10	(1 3 17 2)	1782	2.12E-10	(1 3 12 7)
1800	2.07E-10	(1 3 13 5)	1792	2.10E-10	(1 3 19 1)
1810	2.25E-10	(1 4 7 8)	1802	2.01E-10	(1 3 9 8)
1820	2.04E-10	(1 4 2 2)	1812	2.18E-10	(1 4 7 8)
			1822	2.07E-10	(1 5 6 3)
1800	2.06E-10	(1 4 13 2)	1805	2.08E-10	(1 4 9 9)
1825	2.23E-10	(1 5 14 0)	1830	2.31E-10	(1 5 10 0)
1850	1.99E-10	(1 3 8 2)	1855	2.04E-10	(1 3 7 2)
1875	1.82E-10	(1 4 7 6)	1880	1.78E-10	(1 3 9 0)
1900	1.27E-10	(1 3 9 7)	1905	1.70E-10	(1 4 7 0)
1925	1.63E-10	(1 3 16 8)	1930	1.70E-10	(1 5 6 6)
1950	1.66E-10	(1 5 4 5)	1955	1.65E-10	(1 4 7 1)
1975	1.57E-10	(1 4 7 4)	1980	1.55E-10	(1 4 13 0)
2000	1.41E-10	(1 5 4 4)	2005	1.42E-10	(1 5 6 8)
2025	1.30E-10	(1 10 3 3)	2030	1.30E-10	(1 4 8 7)
2050	1.30E-10	(1 4 5 7)	2055	1.25E-10	(1 4 6 3)
2075	1.27E-10	(1 4 11 4)	2080	1.27E-10	(1 4 8 5)
2100	1.11E-10	(1 3 12 6)	2105	1.08E-10	(1 4 8 1)
2125	1.11E-10	(1 3 2 6)	2130	1.17E-10	(1 4 4 6)
2150	1.08E-10	(1 3 7 8)	2155	1.10E-10	(1 3 10 2)
2175	1.03E-10	(1 3 8 7)	2180	1.05E-10	(1 3 8 5)
2200	0.93E-10	(1 3 8 2)	2205	1.02E-10	(1 3 7 7)
2225	0.88E-10	(1 3 4 2)	2230	1.03E-10	(1 3 8 7)
2250	1.12E-10	(1 2 4 2)	2255	1.13E-10	(1 2 2 1)
2275	1.14E-10	(1 10 0)	2280	1.18E-10	(1 1 9 6)
2300	1.22E-10	(1 0 3 4)	2305	1.22E-10	(1 0 1 4)
2300	1.22E-10	(9 3 4)	2310	1.24E-10	(9 1 6)
2350	1.33E-10	(8 7 3)	2360	1.36E-10	(7 8 1)
2400	1.61E-10	(6 1 7)	2410	1.57E-10	(6 1 2)
135	0.00E-00	(0 0 0)	139	0.00E-00	

X,Y(MM) 11.8 -4.2 SL4- 78 21 SCANS, T= 225: 14 CEP WT .7,SCALE .80

X,Y(MM) 11.8 -4.2 SL4- 79 20 SCANS. T= 77; 14 CEP WT .8 SCALE 1.13

**R = 0.66**

HD 209790

XI CEP

HD 209790

LAMBDA, F (WT, SIG)

F = AVE FLUX FROM LAM-DEL/2 TO LAM+DEL/2

1925, 0. (0.0 0.0)	1930, 0. (0.0 0.0)	1935, 0. (0.0 0.0)	1940, 0. (0.0 0.0)	1945, 0. (0.0 0.0)
1950U 5.03E-12( .2 0.0)	1955, 9.60E-12( .3 0.0)	1960, 9.79E-12( .4 0.0)	1965U 8.42E-12( .5 0.0)	1970, 8.44E-12( .5 1.0)
1975, 1.10E-11( .6 0.0)	1980, 1.25E-11( .9 0.0)	1985, 9.51E-12( .6 0.0)	1990U 7.43E-12( .5 0.0)	1995, 7.56E-12( .4 0.0)
2000U 7.01E-12( .5 0.0)	2005, 7.91E-12( .6 0.0)	2010, 9.28E-12( .6 0.0)	2015, 9.51E-12( .7 0.0)	2020, 9.51E-12( .8 0.0)
2025, 1.00E-11( .9 4.3)	2030, 1.12E-11( .9 3.7)	2035, 1.14E-11( .9 .7)	2040, 1.16E-11(1.0 1.4)	2045, 1.23E-11(1.0 2.3)
2050, 1.31E-11(1.0 8.8)	2055, 1.38E-11(1.0 14.4)	2060, 1.35E-11(1.0 17.2)	2065, 1.29E-11(1.0 17.6)	2070, 1.23E-11(1.0 21.6)
2075, 1.17E-11(1.1 21.5)	2080, 1.25E-11(1.2 5.8)	2085, 1.37E-11(1.2 1.1)	2090, 1.36E-11(1.2 6.1)	2095, 1.30E-11(1.3 9.7)
2100, 1.30E-11(1.3 10.5)	2105, 1.35E-11(1.3 9.9)	2110, 1.42E-11(1.3 7.5)	2115, 1.41E-11(1.4 5.8)	2120, 1.34E-11(1.4 2.8)
2125, 1.33E-11(1.4 6.5)	2130, 1.37E-11(1.5 12.4)	2135, 1.34E-11(1.5 7.7)	2140, 1.35E-11(1.5 5.0)	2145, 1.42E-11(1.5 7.3)
2150, 1.39E-11(1.5 5.5)	2155, 1.30E-11(1.5 2.7)	2160, 1.31E-11(1.5 2.3)	2165, 1.38E-11(1.5 .7)	2170, 1.44E-11(1.5 2.2)
2175, 1.50E-11(1.5 1.1)	2180, 1.51E-11(1.5 1.6)	2185, 1.42E-11(1.5 1.6)	2190, 1.34E-11(1.5 1.7)	2195, 1.38E-11(1.5 3.7)
2200, 1.47E-11(1.5 3.7)	2205, 1.50E-11(1.5 3.8)	2210, 1.44E-11(1.5 6.3)	2215, 1.36E-11(1.5 5.3)	2220, 1.33E-11(1.5 1.8)
2225, 1.35E-11(1.5 2.4)	2230, 1.37E-11(1.5 6.6)	2235, 1.39E-11(1.5 9.5)	2240, 1.35E-11(1.5 6.9)	2245, 1.28E-11(1.5 .6)
2250, 1.24E-11(1.5 2.4)	2255, 1.24E-11(1.5 2.8)	2260, 1.24E-11(1.5 2.8)	2265, 1.23E-11(1.5 2.5)	2270, 1.25E-11(1.5 2.8)
2275, 1.28E-11(1.5 3.3)	2280, 1.30E-11(1.5 3.2)	2285, 1.33E-11(1.5 3.7)	2290, 1.34E-11(1.5 3.6)	2295, 1.34E-11(1.5 2.1)
2300, 1.30E-11(1.5 .4)	2305, 1.24E-11(1.5 1.2)	2310, 1.17E-11(1.5 2.6)	2315, 1.12E-11(1.5 7.7)	0. (0.0 0.0)
2300, 1.30E-11(1.5 .1)	2310, 1.17E-11(1.5 2.6)	2320, 1.10E-11(1.5 10.6)	2330, 1.05E-11(1.5 8.9)	2340, 1.02E-11(1.5 4.1)
2350, 1.06E-11(1.5 .7)	2360, 1.09E-11(1.5 2.6)	2370, 1.07E-11(1.5 4.4)	2380, 1.03E-11(1.5 3.4)	2390, 1.09E-11(1.5 3.0)
2400, 1.14E-11(1.5 3.4)	2410, 1.13E-11(1.5 5.0)	2420, 1.14E-11(1.5 4.6)	2430, 1.14E-11(1.5 2.0)	2440, 1.14E-11(1.5 5.5)
2450, 1.17E-11(1.5 8.8)	2460, 1.22E-11(1.4 7.1)	2470, 1.26E-11(1.4 6.3)	2480, 1.23E-11(1.4 7.8)	2490, 1.19E-11(1.4 10.1)
2500, 1.18E-11(1.4 8.9)	2510, 1.20E-11(1.4 6.0)	2520, 1.19E-11(1.4 4.2)	2530, 1.17E-11(1.4 4.4)	2540, 1.18E-11(1.3 5.1)
2550, 1.21E-11(1.3 2.3)	2560, 1.25E-11(1.3 1.1)	2570, 1.35E-11(1.2 .7)	2580, 1.51E-11(1.2 2.4)	2590, 1.63E-11(1.1 5.6)
2600, 1.72E-11(1.1 6.5)	2610, 1.76E-11(1.1 4.7)	2620, 1.83E-11(1.0 2.8)	2630, 1.93E-11(1.0 1.5)	2640, 2.01E-11(1.0 1.3)
2650, 2.07E-11(1.0 6.6)	2660, 2.15E-11( .9 8.8)	2670, 2.19E-11( .9 14.1)	2680, 2.12E-11( .9 13.6)	2690, 2.11E-11( .9 11.6)
2700, 2.16E-11( .9 11.4)	2710, 2.24E-11( .8 10.5)	2720, 2.30E-11( .8 9.3)	2730, 2.30E-11( .8 9.1)	2740, 2.24E-11( .8 8.4)
2750, 2.16E-11( .8 4.4)	2760, 2.13E-11( .8 1.7)	2770, 2.16E-11( .8 4.7)	2780, 2.21E-11( .8 3.0)	2790, 2.22E-11( .8 1.5)
2800, 2.22E-11( .8 6.5)	2810, 2.25E-11( .7 9.3)	2820E 2.40E-11( .7 10.5)	2830E 2.52E-11( .7 9.4)	2840E 2.58E-11( .7 7.6)
2850E 2.57E-11( .6 8.0)	2860E 2.63E-11( .6 8.7)	2870E 2.71E-11( .6 9.5)	2880E 2.85E-11( .6 8.0)	2890E 2.93E-11( .6 3.8)
2900E 2.98E-11( .5 1.2)	2910E 3.01E-11( .5 .4)	2920E 3.00E-11( .5 2.0)	2930E 3.04E-11( .5 2.5)	2940E 3.10E-11( .5 2.9)
2950E 3.16E-11( .5 .7)	2960E 3.08E-11( .5 1.1)	2970E 3.05E-11( .5 2.4)	2980E 3.01E-11( .5 2.1)	2990E 3.02E-11( .4 1.1)
3000E 3.08E-11( .4 .9)	3010E 3.06E-11( .4 2.8)	3020E 3.13E-11( .4 2.5)	3030E 3.19E-11( .4 1.0)	0. (0.0 0.0)
3000E 3.09E-11( .4 .8)	3020E 3.14E-11( .4 2.1)	3040E 3.28E-11( .4 1.3)	3060E 3.43E-11( .4 4.0)	3080E 3.40E-11( .4 8.0)
3100E 3.23E-11( .4 10.4)	3120E 3.27E-11( .4 12.7)	3140E 3.51E-11( .3 13.7)	3160E 3.45E-11( .3 14.4)	3180E 3.26E-11( .3 10.4)
3200E 3.18E-11( .3 7.2)	3220E 3.26E-11( .3 7.5)	3240E 3.57E-11( .3 16.8)	3260E 4.01E-11( .3 21.6)	3280E 4.16E-11( .2 17.1)
3300E 4.18E-11( .2 10.4)	3320E 4.13E-11( .2 10.1)	3340E 4.13E-11( .2 16.1)	3360E 3.93E-11( .2 23.5)	3380E 3.70E-11( .2 28.6)
3400E 3.63E-11( .2 28.9)	3420E 3.68E-11( .2 21.9)	3440E 3.69E-11( .2 16.1)	3460E 3.58E-11( .2 13.3)	3480E 3.51E-11( .2 15.7)
3500E 3.48E-11( .2 12.5)	3520E 3.47E-11( .2 10.1)	3540E 3.56E-11( .2 9.9)	3560E 3.60E-11( .2 13.1)	3580E 3.74E-11( .2 11.1)
3600E 3.58E-11( .2 12.3)	3620E 3.58E-11( .2 11.9)	3640E 3.64E-11( .2 12.2)	3660E 3.56E-11( .2 9.4)	3680E 3.58E-11( .2 7.8)
3700E 3.48E-11( .2 2.2)	3720E 3.52E-11( .2 1.2)	3740E 3.74E-11( .2 1.0)	3760E 3.78E-11( .2 .2)	3780E 3.96E-11( .2 3.0)
3800E 4.05E-11( .2 8.7)	3820E 4.12E-11( .2 14.0)	3840E 4.11E-11( .2 13.3)	3860E 4.23E-11( .2 14.3)	3880E 4.35E-11( .2 12.5)
3900E 4.51E-11( .2 13.7)	3920E 4.78E-11( .2 11.6)	3940E 5.17E-11( .2 15.6)	3960E 5.58E-11( .1 12.1)	3980E 5.73E-11( .1 7.8)
4000E 5.80E-11( .1 2.2)	4020E 5.79E-11( .2 3.8)	4040E 5.78E-11( .2 4.6)	4060E 5.85E-11( .2 6.1)	4080E 5.96E-11( .2 1.1)
4100E 6.17E-11( .2 4.6)	4120E 6.59E-11( .2 11.5)	4140E 7.04E-11( .2 15.0)	4160E 7.02E-11( .2 14.3)	4180E 7.09E-11( .2 13.9)

135, 0.00(0.0 0.0) 139, 0.00(0.0 0.0) 148, 0.00(0.0 0.0) 154, 0.00(0.0 0.0) 161, 0.00(0.0 0.0)  
 166, 0.00(0.0 0.0) 172, 0.00(0.0 0.0) 181, 0.00(0.0 0.0) 192, 0.00(0.0 0.0) 204, 6.26( .9 0.0)  
 219, 6.07(1.5 .5) 245, 6.20(1.4 2.2) 280E 5.38( .7 3.9) 360E 4.96( .2 11.4) 0, 0.00(0.0 0.0)

X,Y(MM) 11.4 .2 SL3-127 14 SCANS, T= 225: XI CEP WT .9, SCALE .94

X,Y(MM) -8.9 17.4 SL3-222 8 SCANS, T= 272: XI CEP WT .7, SCALE 1.08

R = (0.67)

LAMBDA, F (WT, SIG)				F = AVE FLUX FROM LAM-DEL/2 TO LAM-DEL/2				LAMBDA, F (WT, SIG)				F = AVE FLUX FROM LAM-DEL/2 TO LAM-DEL/2							
1470	2.70E-10	(4	0.0)	1472	2.79E-10	(4	0.0)	1474	2.73E-10	(4	0.0)	1476	2.85E-10	(4	0.0)	1478	2.38E-10	(4	0.0)
1480	1.97E-10	(4	0.0)	1482	2.27E-10	(4	0.0)	1484	1.42E-10	(4	0.0)	1486	1.47E-10	(4	0.0)	1488	2.22E-10	(5	0.0)
1490	2.63E-10	(4	0.0)	1492	3.00E-10	(7	0.0)	1494	2.47E-10	(6	0.0)	1496	1.70E-10	(4	0.0)	1498	1.33E-10	(3	0.0)
1500	1.37E-10	(3	0.0)	1502	1.29E-10	(3	0.0)	1504	1.40E-10	(5	0.0)	1506	2.42E-10	(7	0.0)	1508	2.89E-10	(7	0.0)
1510	2.65E-10	(7	0.0)	1512	3.46E-10	(7	0.0)	1514	2.85E-10	(7	0.0)	1516	2.80E-10	(7	0.0)	1518	3.48E-10	(7	0.0)
1520	3.23E-10	(7	0.0)	1522	2.32E-10	(7	0.0)	1524	2.34E-10	(7	0.0)	1526	1.99E-10	(7	0.0)	1528	1.69E-10	(7	0.0)
1530	1.24E-10	(6	0.0)	1532	1.37E-10	(5	0.0)	1534	2.41E-10	(7	0.0)	1536	7.89E-11	(4	0.0)	1538	9.87E-11	(3	0.0)
1540	1.34E-10	(3	0.0)	1542	8.26E-11	(2	0.0)	1544	5.81E-11	(2	0.0)	1546	5.81E-11	(2	0.0)	1548	6.80E-11	(2	0.0)
1550	7.32E-11	(4	0.0)	1552	1.26E-10	(6	0.0)	1554	1.55E-10	(7	0.0)	1556	8.82E-10	(7	0.0)	1558	9.06E-10	(7	0.0)
1560	1.95E-10	(7	0.0)	1562	1.72E-10	(7	0.0)	1564	1.40E-10	(7	0.0)	1566	1.22E-10	(7	0.0)	1568	8.29E-11	(6	0.0)
1570	1.18E-10	(7	0.0)	1572	1.57E-10	(7	0.0)	1574	1.64E-10	(7	0.0)	1576	1.51E-10	(7	0.0)	1578	1.57E-10	(7	0.0)
1580	1.74E-10	(7	3)	1582	1.89E-10	(8	2.1)	1584	1.81E-10	(8	9)	1586	1.74E-10	(8	8.2)	1588	1.70E-10	(9	7.5)
1590	1.69E-10	(9	4.3)	1592	1.54E-10	(9	13.6)	1594	1.88E-10	(10	7.1)	1596	1.80E-10	(10	8.1)	1598	1.62E-10	(10	11.4)
1600	1.61E-10	(10	1.1)	1602	1.58E-10	(10	1.1)	1604	1.59E-10	(10	1.1)	1606	1.52E-10	(10	1.2)	1608	1.44E-10	(10	1.2)
1610	1.42E-10	(10	1.2)	1612	1.43E-10	(10	1.3)	1614	1.41E-10	(10	1.3)	1616	1.35E-10	(10	1.3)	1618	1.37E-10	(10	1.3)
1620	1.25E-10	(10	1.4)	1622	1.25E-10	(10	1.4)	1624	1.30E-10	(10	1.5)	1626	1.36E-10	(10	1.5)	1628	1.36E-10	(10	1.5)
1630	1.25E-10	(10	1.5)	1632	1.25E-10	(10	1.5)	1634	1.18E-10	(10	1.5)	1636	1.26E-10	(10	1.5)	1638	1.34E-10	(10	1.5)
1640	1.31E-10	(10	1.5)	1642	1.42E-10	(10	1.5)	1644	1.58E-10	(10	1.5)	1646	1.54E-10	(10	1.5)	1648	1.60E-10	(10	1.5)
1650	1.68E-10	(10	1.5)	1652	1.57E-10	(10	1.5)	1654	1.51E-10	(10	1.5)	1656	1.55E-10	(10	1.5)	1658	1.58E-10	(10	1.5)
1660	1.48E-10	(10	1.5)	1662	1.35E-10	(10	1.5)	1664	1.31E-10	(10	1.5)	1666	1.37E-10	(10	1.5)	1668	1.45E-10	(10	1.5)
1670	1.51E-10	(10	1.5)	1672	1.58E-10	(10	1.5)	1674	1.61E-10	(10	1.5)	1676	1.61E-10	(10	1.5)	1678	1.67E-10	(10	1.5)
1680	1.77E-10	(10	1.5)	1682	1.8														

R = 1.19

[illegible]

R = 0.74



R = 1.17



[illegible]

**R = 0**

$$R = 0.93+-$$

HD 213310

5 LAC

HD 213310

LAMBDA	F	(WT, SIG)	F = AVE FLUX FROM LAM-DEL/2 TO LAM+DEL/2
1950	1.80E-11	(6 0.0)	1955, 1.63E-11(6 0.0)
1975	1.87E-11	(9 0.0)	1980, 1.89E-11(9 0.0)
2000	1.75E-11	(9 0.0)	2005, 1.78E-11(9 0.0)
2025	1.20E-11	(6 0.0)	2030, 1.19E-11(7 0.0)
2050	1.40E-11	(9 0.0)	2055, 1.38E-11(9 0.0)
2075	1.44E-11	(9 0.0)	2080, 1.44E-11(9 0.0)
2100	1.25E-11	(9 0.0)	2105, 1.22E-11(9 0.0)
2125	1.22E-11	(9 0.0)	2130, 1.20E-11(9 0.0)
2150	1.12E-11	(9 0.0)	2155, 1.19E-11(9 4.1)
2175	1.14E-11	(10 6.4)	2180, 1.20E-11(10 9.1)
2200	1.24E-11	(11 3)	2205, 1.23E-11(12 11.7)
2225	1.14E-11	(13 12.5)	2230, 1.11E-11(13 11.9)
2250	1.18E-11	(15 11.1)	2255, 1.20E-11(16 6.4)
2275	1.07E-11	(17 19.8)	2280, 1.05E-11(16 26.1)
2300	1.13E-11	(17 6.8)	2305, 1.06E-11(17 11.8)
2330	1.12E-11	(17 7.7)	2330, 1.07E-11(17 14.7)
2350	1.10E-11	(17 8.0)	2370, 1.10E-11(17 7)
2400	1.21E-11	(17 3.5)	2410, 1.12E-11(17 3)
2450	1.12E-11	(17 3)	2460, 1.17E-11(17 6)
2500	1.10E-11	(17 6.1)	2510, 1.09E-11(17 6.4)
2550	1.07E-11	(17 1.6)	2560, 1.09E-11(17 1.8)
2600	1.05E-11	(17 1.0)	2610, 1.06E-11(17 1.4)
2650	1.07E-11	(17 9)	2660, 1.07E-11(17 1.1)
2700	1.11E-11	(17 6)	2710, 1.11E-11(17 2.6)
2750	1.09E-11	(17 5.0)	2760, 1.10E-11(17 3.2)
2800	1.19E-11	(17 1.9)	2810, 1.14E-11(17 2.2)
2850	1.11E-11	(17 2.3)	2860, 1.16E-11(17 1.3)
2900	1.14E-11	(17 1.4)	2910, 1.15E-11(17 2)
2950	1.25E-11	(17 9)	2960, 1.25E-11(17 3.4)
3000	1.17E-11	(17 1.9)	3010, 1.16E-11(17 0.0)
3050	1.18E-11	(17 1.9)	3060, 1.12E-11(16 3.9)
3100	1.09E-11	(16 4)	3110, 1.08E-11(16 4)
3150	1.09E-11	(16 1.7)	3160, 1.06E-11(16 1.9)
3200	1.09E-11	(16 1.6)	3210, 1.08E-11(16 1.5)
3250	1.08E-11	(16 2.1)	3260, 1.09E-11(16 1.0)
3300	9.71E-12	(16 10.2)	3310, 9.41E-12(16 7.1)
3350	8.21E-12	(16 4.4)	3360, 8.02E-12(16 3.2)
3400	7.41E-12	(15 2.2)	3410, 7.37E-12(15 5)
3450	6.98E-12	(14 8.6)	3460, 6.98E-12(14 8.9)
3500	7.06E-12	(13 5.9)	3510, 7.12E-12(13 5.8)
3550	7.51E-12	(11 6.5)	3560, 7.57E-12(11 7.0)
3600	7.62E-12	(9 6.7)	3610, 7.65E-12(9 5.0)
3650	0.00(0.0 0.0)		3660, 0.00(0.0 0.0)
3700	0.00(0.0 0.0)		3710, 0.00(0.0 0.0)
3750	6.23(1.2 0.0)		3760, 6.26(1.7 1.0)
3800	0.00(0.0 0.0)		3810, 0.00(0.0 0.0)
3850	0.00(0.0 0.0)		3860, 0.00(0.0 0.0)
3900	0.00(0.0 0.0)		3910, 0.00(0.0 0.0)
3950	0.00(0.0 0.0)		3960, 0.00(0.0 0.0)
4000	0.00(0.0 0.0)		4010, 0.00(0.0 0.0)
4050	0.00(0.0 0.0)		4060, 0.00(0.0 0.0)
4100	0.00(0.0 0.0)		4110, 0.00(0.0 0.0)
4150	0.00(0.0 0.0)		4160, 0.00(0.0 0.0)
4200	0.00(0.0 0.0)		4210, 0.00(0.0 0.0)
4250	0.00(0.0 0.0)		4260, 0.00(0.0 0.0)
4300	0.00(0.0 0.0)		4310, 0.00(0.0 0.0)
4350	0.00(0.0 0.0)		4360, 0.00(0.0 0.0)
4400	0.00(0.0 0.0)		4410, 0.00(0.0 0.0)
4450	0.00(0.0 0.0)		4460, 0.00(0.0 0.0)
4500	0.00(0.0 0.0)		4510, 0.00(0.0 0.0)
4550	0.00(0.0 0.0)		4560, 0.00(0.0 0.0)
4600	0.00(0.0 0.0)		4610, 0.00(0.0 0.0)
4650	0.00(0.0 0.0)		4660, 0.00(0.0 0.0)
4700	0.00(0.0 0.0)		4710, 0.00(0.0 0.0)
4750	0.00(0.0 0.0)		4760, 0.00(0.0 0.0)
4800	0.00(0.0 0.0)		4810, 0.00(0.0 0.0)
4850	0.00(0.0 0.0)		4860, 0.00(0.0 0.0)
4900	0.00(0.0 0.0)		4910, 0.00(0.0 0.0)
4950	0.00(0.0 0.0)		4960, 0.00(0.0 0.0)
5000	0.00(0.0 0.0)		5010, 0.00(0.0 0.0)
5050	0.00(0.0 0.0)		5060, 0.00(0.0 0.0)
5100	0.00(0.0 0.0)		5110, 0.00(0.0 0.0)
5150	0.00(0.0 0.0)		5160, 0.00(0.0 0.0)
5200	0.00(0.0 0.0)		5210, 0.00(0.0 0.0)
5250	0.00(0.0 0.0)		5260, 0.00(0.0 0.0)
5300	0.00(0.0 0.0)		5310, 0.00(0.0 0.0)
5350	0.00(0.0 0.0)		5360, 0.00(0.0 0.0)
5400	0.00(0.0 0.0)		5410, 0.00(0.0 0.0)
5450	0.00(0.0 0.0)		5460, 0.00(0.0 0.0)
5500	0.00(0.0 0.0)		5510, 0.00(0.0 0.0)
5550	0.00(0.0 0.0)		5560, 0.00(0.0 0.0)
5600	0.00(0.0 0.0)		5610, 0.00(0.0 0.0)
5650	0.00(0.0 0.0)		5660, 0.00(0.0 0.0)
5700	0.00(0.0 0.0)		5710, 0.00(0.0 0.0)
5750	0.00(0.0 0.0)		5760, 0.00(0.0 0.0)
5800	0.00(0.0 0.0)		5810, 0.00(0.0 0.0)
5850	0.00(0.0 0.0)		5860, 0.00(0.0 0.0)
5900	0.00(0.0 0.0)		5910, 0.00(0.0 0.0)
5950	0.00(0.0 0.0)		5960, 0.00(0.0 0.0)
6000	0.00(0.0 0.0)		6010, 0.00(0.0 0.0)
6050	0.00(0.0 0.0)		6060, 0.00(0.0 0.0)
6100	0.00(0.0 0.0)		6110, 0.00(0.0 0.0)
6150	0.00(0.0 0.0)		6160, 0.00(0.0 0.0)
6200	0.00(0.0 0.0)		6210, 0.00(0.0 0.0)
6250	0.00(0.0 0.0)		6260, 0.00(0.0 0.0)
6300	0.00(0.0 0.0)		6310, 0.00(0.0 0.0)
6350	0.00(0.0 0.0)		6360, 0.00(0.0 0.0)
6400	0.00(0.0 0.0)		6410, 0.00(0.0 0.0)
6450	0.00(0.0 0.0)		6460, 0.00(0.0 0.0)
6500	0.00(0.0 0.0)		6510, 0.00(0.0 0.0)
6550	0.00(0.0 0.0)		6560, 0.00(0.0 0.0)
6600	0.00(0.0 0.0)		6610, 0.00(0.0 0.0)
6650	0.00(0.0 0.0)		6660, 0.00(0.0 0.0)
6700	0.00(0.0 0.0)		6710, 0.00(0.0 0.0)
6750	0.00(0.0 0.0)		6760, 0.00(0.0 0.0)
6800	0.00(0.0 0.0)		6810, 0.00(0.0 0.0)
6850	0.00(0.0 0.0)		6860, 0.00(0.0 0.0)
6900	0.00(0.0 0.0)		6910, 0.00(0.0 0.0)
6950	0.00(0.0 0.0)		6960, 0.00(0.0 0.0)
7000	0.00(0.0 0.0)		7010, 0.00(0.0 0.0)
7050	0.00(0.0 0.0)		7060, 0.00(0.0 0.0)
7100	0.00(0.0 0.0)		7110, 0.00(0.0 0.0)
7150	0.00(0.0 0.0)		7160, 0.00(0.0 0.0)
7200	0.00(0.0 0.0)		7210, 0.00(0.0 0.0)
7250	0.00(0.0 0.0)		7260, 0.00(0.0 0.0)
7300	0.00(0.0 0.0)		7310, 0.00(0.0 0.0)
7350	0.00(0.0 0.0)		7360, 0.00(0.0 0.0)
7400	0.00(0.0 0.0)		7410, 0.00(0.0 0.0)
7450	0.00(0.0 0.0)		7460, 0.00(0.0 0.0)
7500	0.00(0.0 0.0)		7510, 0.00(0.0 0.0)
7550	0.00(0.0 0.0)		7560, 0.00(0.0 0.0)
7600	0.00(0.0 0.0)		7610, 0.00(0.0 0.0)
7650	0.00(0.0 0.0)		7660, 0.00(0.0 0.0)
7700	0.00(0.0 0.0)		7710, 0.00(0.0 0.0)
7750	0.00(0.0 0.0)		7760, 0.00(0.0 0.0)
7800	0.00(0.0 0.0)		7810, 0.00(0.0 0.0)
7850	0.00(0.0 0.0)		7860, 0.00(0.0 0.0)
7900	0.00(0.0 0.0)		7910, 0.00(0.0 0.0)
7950	0.00(0.0 0.0)		7960, 0.00(0.0 0.0)
8000	0.00(0.0 0.0)		8010, 0.00(0.0 0.0)
8050	0.00(0.0 0.0)		8060, 0.00(0.0 0.0)
8100	0.00(0.0 0.0)		8110, 0.00(0.0 0.0)
8150	0.00(0.0 0.0)		8160, 0.00(0.0 0.0)
8200	0.00(0.0 0.0)		8210, 0.00(0.0 0.0)
8250	0.00(0.0 0.0)		8260, 0.00(0.0 0.0)
8300	0.00(0.0 0.0)		8310, 0.00(0.0 0.0)
8350	0.00(0.0 0.0)		8360, 0.00(0.0 0.0)
8400	0.00(0.0 0.0)		8410, 0.00(0.0 0.0)
8450	0.00(0.0 0.0)		8460, 0.00(0.0 0.0)
8500	0.00(0.0 0.0)		8510, 0.00(0.0 0.0)
8550	0.00(0.0 0.0)		8560, 0.00(0.0 0.0)
8600	0.00(0.0 0.0)		8610, 0.00(0.0 0.0)
8650	0.00(0.0 0.0)		8660, 0.00(0.0 0.0)
8700	0.00(0.0 0.0)		8710, 0.00(0.0 0.0)
8750	0.00(0.0 0.0)		8760, 0.00(0.0 0.0)
8800	0.00(0.0 0.0)		8810, 0.00(0.0 0.0)
8850	0.00(0.0 0.0)		8860, 0.00(0.0 0.0)
8900	0.00(0.0 0.0)		8910, 0.00(0.0 0.0)
8950	0.00(0.0 0.0)		8960, 0.00(0.0 0.0)
9000	0.00(0.0 0.0)		9010, 0.00(0.0 0.0)
9050	0.00(0.0 0.0)		9060, 0.00(0.0 0.0)
9100	0.00(0.0 0.0)		9110, 0.00(0.0 0.0)
9150	0.00(0.0 0.0)		9160, 0.00(0.0 0.0)
9200	0.00(0.0 0.0)		9210, 0.00(0.0 0.0)
9250	0.00(0.0 0.0)		9260, 0.00(0.0 0.0)
9300	0.00(0.0 0.0)		9310, 0.00(0.0 0.0)
9350	0.00(0.0 0.0)		9360, 0.00(0.0 0.0)
9400	0.00(0.0 0.0)		9410, 0.00(0.0 0.0)
9450	0.00(0.0 0.0)		9460, 0.00(0.0 0.0)
9500	0.00(0.0 0.0)		9510, 0.00(0.0 0.0)
9550	0.00(0.0 0.0)		9560, 0.00(0.0 0.0)
9600	0.00(0.0 0.0)		9610, 0.00(0.0 0.0)
9650	0.00(0.0 0.0)		9660, 0.00(0.0 0.0)
9700	0.00(0.0 0.0)		9710, 0.00(0.0 0.0)
9750	0.00(0.0 0.0)		9760, 0.00(0.0 0.0)
9800	0.00(0.0 0.0)		9810, 0.00(0.0 0.0)
9850	0.00(0.0 0.0)		9860, 0.00(0.0 0.0)
9900	0.00(0.0 0.0)		9910, 0.00(0.0 0.0)
9950	0.00(0.0 0.0)		9960, 0.00(0.0 0.0)
10000	0.00(0.0 0.0)		10010, 0.00(0.0 0.0)

X,Y(MM) 12.5 4.7 SL3- 60 15 SCANS, T= 225: 5 LAC  
 X,Y(MM) 12.5 4.7 SL3- 61 12 SCANS, T= 77: 5 LAC

WT .9, SCALE 1.36  
 WT .9, SCALE 1.13

R = &lt;1.00&gt;

X,Y(MM)	2.2	-3.3	SL3-	6	19 SCANS, T= 269	8 LAC	WT	.9,SCALE	1.4
X,Y(MM)	-13.2	-5.6	SL4-	36	17 SCANS, T= 220	8 LAC	WT	.4,SCALE	.5
X,Y(MM)	-13.2	-5.6	SL4-	37	16 SCANS, T= 73	8 LAC	WT	.4,SCALE	.6

R = 1.05:

R = 0.60:

$$R = 0.95$$



X, Y (MM) 10.5 -10.5 SL3- 6 19 SCANS, T= 269 12 LAC WT 1.0, SCALE 1.00

$$R = 0.76$$



LAMBDA, F (WT, SIG)				F = AVE FLUX FROM LAM-DEL/2 TO LAM-DEL/2				LAMBDA, F (WT, SIG)				F = AVE FLUX FROM LAM-DEL/2 TO LAM-DEL/2				LAMBDA, F (WT, SIG)				F = AVE FLUX FROM LAM-DEL/2 TO LAM-DEL/2			
14900	3.84E-10	1	0.0	14920	3.30E-10	1	0.0	14940	3.77E-10	2	0.0	14960	4.06E-10	1	0.0	14980	3.15E-10	1	0.0	15000	2.66E-10	1	0.0
15000	2.66E-10	1	0.0	15020	3.14E-10	2	0.0	15040	2.62E-10	1	0.0	15060	3.11E-10	1	0.0	15080	2.91E-10	2	0.0	15100	3.45E-10	2	0.0
15100	3.45E-10	2	0.0	15120	3.62E-10	2	0.0	15140	3.10E-10	2	0.0	15160	3.12E-10	1	0.0	15180	2.66E-10	2	0.0	15200	3.11E-10	2	0.0
15200	3.11E-10	2	0.0	15220	2.78E-10	2	0.0	15240	2.99E-10	2	0.0	15260	2.95E-10	2	0.0	15280	2.70E-10	2	0.0	15300	2.45E-10	2	0.0
15300	2.45E-10	2	0.0	15320	2.15E-10	1	0.0	15340	2.27E-10	1	0.0	15360	2.36E-10	1	0.0	15380	2.20E-10	1	0.0	15400	2.19E-10	1	0.0
15400	2.19E-10	1	0.0	15420	2.23E-10	2	0.0	15440	2.29E-10	2	0.0	15460	2.46E-10	2	0.0	15480	2.35E-10	3	0.0	15500	2.75E-10	3	0.0
15500	2.75E-10	3	0.0	15520	2.96E-10	4	0.0	15540	2.71E-10	4	0.0	15560	2.78E-10	4	0.0	15580	2.22E-10	3	0.0	15600	2.62E-10	3	0.0
15600	2.62E-10	3	0.0	15620	2.92E-10	3	0.0	15640	3.22E-10	3	0.0	15660	3.04E-10	3	0.0	15680	2.55E-10	3	0.0	15700	2.29E-10	4	0.0
15700	2.29E-10	4	0.0	15720	2.36E-10	4	0.0	15740	2.37E-10	4	0.0	15760	2.26E-10	4	0.0	15780	2.18E-10	4	0.0	15800	2.24E-10	4	0.0
15800	2.24E-10	4	0.0	15820	2.45E-10	5	0.0	15840	2.63E-10	5	0.0	15860	2.51E-10	6	0.0	15880	2.47E-10	6	0.0	15900	2.34E-10	6	0.0
15900	2.34E-10	6	0.0	15920	2.33E-10	6	0.0	15940	2.48E-10	6	0.0	15960	2.48E-10	5	0.0	15980	2.14E-10	5	0.0	16000	2.03E-10	5	0.0
16000	2.03E-10	5	0.0	16020	2.11E-10	5	0.0	16040	2.10E-10	5	0.0	16060	1.97E-10	5	0.0	16080	1.90E-10	4	0.0	16100	1.88E-10	4	0.0
16100	1.88E-10	4	0.0	16120	1.85E-10	4	0.0	16140	1.77E-10	5	0.0	16160	1.87E-10	5	0.0	16180	2.03E-10	5	0.0	16200	1.95E-10	6	0.0
16200	1.95E-10	6	0.0	16220	1.91E-10	6	0.0	16240	1.83E-10	6	0.0	16260	1.81E-10	6	0.0	16280	1.74E-10	5	0.0	16300	1.78E-10	5	0.0
16300	1.78E-10	5	0.0	16320	1.92E-10	5	0.0	16340	1.76E-10	5	0.0	16360	1.84E-10	6	0.0	16380	1.83E-10	6	0.0	16400	1.90E-10	7	0.0
16400	1.90E-10	7	0.0	16420	1.93E-10	7	0.0	16440	1.85E-10	7	0.0	16460	1.89E-10	7	0.0	16480	2.07E-10	7	0.0	16500	1.98E-10	7	0.0
16500	1.98E-10	7	0.0	16520	1.79E-10	7	0.0	16540	1.74E-10	7	0.0	16560	1.78E-10	7	0.0	16580	1.79E-10	7	0.0	16600	1.81E-10	7	0.0
16600	1.81E-10	7	0.0	16620	1.94E-10	8	0.0																

X,Y(MM) -12.5 5.1 SL3-123 21 SCANS. T= 225; EW LAC WT 1.0, SCALE 1.00

$$\dot{R} = 1.10$$

LAMBDA F (WT SIG)				F = AVE FLUX FROM LAM-DEL/2 TO LAM-DEL/2															
1310A	8.23E-10	5	0.0	1312	8.73E-10	6	0.0	1314	9.33E-10	7	0.0	1316	1.17E-09	8	0.0	1318	9.78E-10	7	0.0
1320	9.32E-10	6	0.0	1322	6.80E-10	6	0.0	1324	7.34E-10	5	0.0	1326	7.51E-10	5	0.0	1328	6.61E-10	5	0.0
1330	6.81E-10	5	0.0	1332	5.68E-10	4	0.0	1334U	3.59E-10	3	0.0	1336U	3.72E-10	3	0.0	1338	6.25E-10	5	0.0
1340	7.28E-10	6	0.0	1342	6.58E-10	7	0.0	1344	7.50E-10	8	0.0	1346	8.03E-10	8	0.0	1348	8.23E-10	8	0.0
1350	6.88E-10	8	0.0	1352	4.85E-10	6	0.0	1354	5.12E-10	5	0.0	1356	5.40E-10	6	0.0	1358	6.13E-10	8	0.0
1360	5.44E-10	7	0.0	1362	5.35E-10	6	0.0	1364U	3.88E-10	6	0.0	1366	4.94E-10	6	8	1368U	4.70E-10	6	3
1370	5.17E-10	7	1	1372	4.90E-10	6	0.0	1374	4.97E-10	7	1	1376	3.90E-10	8	5	1378	4.47E-10	4	7
1380U	3.88E-10	5	6	1382	3.74E-10	5	33	1384U	2.77E-10	6	21	1386	2.43E-10	9	7	1388	5.3E-10	9	2
1390U	4.23E-10	9	7	1392	3.68E-10	8	3	1394U	4.06E-10	9	10	1396U	3.53E-10	8	4	1398	4.01E-10	9	2
1400	4.23E-10	9	5	1402U	2.41E-10	7	2	1404U	2.86E-10	6	6	1406U	2.55E-10	6	6	1408U	3.49E-10	8	10
1410U	2.64E-10	7	7	1412U	3.08E-10	10	15	1414	4.86E-10	10	2	1416	4.05E-10	10	8	1418	4.16E-10	9	16
1420	4.18E-10	9	18	1422	4.18E-10	9	5	1424	4.00E-10	10	13	1426	4.02E-10	11	4	1428	3.92E-10	10	1
1430	3.28E-10	10	25	1432	4.48E-10	9	16	1434	4.50E-10	10	15	1436	4.10E-10	11	14	1438	4.61E-10	11	1
1440	4.18E-10	11	13	1442	4.90E-10	11	2	1444	5.05E-10	11	2	1446	5.13E-10	11	2	1448	5.19E-10	11	3
1450	4.95E-10	11	20	1452	4.78E-10	11	17	1454	5.30E-10	11	11	1456	5.61E-10	11	8	1458	5.34E-10	11	1
1460	5.26E-10	11	15	1462	4.68E-10	11	22	1464	4.82E-10	11	13	1466	4.99E-10	11	15	1468	4.95E-10	11	21
1470	4.79E-10	11	21	1472	4.75E-10	11	18	1474	4.77E-10	11	21	1476	4.67E-10	11	23	1478	4.63E-10	11	15
1480	4.30E-10	11	16	1482	4.42E-10	11	27	1484	4.37E-10	11	21	1486	4.56E-10	11	15	1488	4.51E-10	11	13
1490	4.50E-10	11	7	1492	4.87E-10	11	11	1494	4.74E-10	11	7	1496	4.81E-10	11	3	1498	4.75E-10	11	9
1500	4.86E-10	11	8	1502	5.19E-10	11	16	1504	5.16E-10	11	12	1506	5.13E-10	11	8	1508	5.19E-10	11	15
1510	4.99E-10	11	13	1512	5.28E-10	11	14	1514	5.28E-10	11	14	1516	5.28E-10	11	13	1518	5.28E-10	11	15
1520	4.99E-10	11	13	1522	5.28E-10	11	14	1524	5.26E-10	11	13	1526	4.90E-10	11	12	1528	4.58E-10	11	9
15																			

X, Y (MM)	8.3	1.3	SL3- 37	9 SCANS, T= 270: OMI AND	WT .8, SCALE 1.43
X, Y (MM)	8.3	1.3	SL3- 38	17 SCANS, T= 78 OMI AND	WT 1.0, SCALE .72

R = 1.66



[illegible]

R = 0.50



LWBDO. F (WT. SIG)			F = AVE FLUX FROM LAM-DEL/2 TO LAM-DEL/2			LWBDO. F (WT. SIG)			F = AVE FLUX FROM LAM-DEL/2 TO LAM-DEL/2					
17200.0	0.0	0.0	17220.1	1.02E-10	3.0	1724.1	1.15E-11	3.0	1726.1	1.27E-10	3.0	1728.1	1.24E-10	3.0
1730.1	1.25E-10	4.0	1732.1	1.36E-10	4.0	1734.1	1.42E-10	4.0	1736.1	1.41E-10	5.0	1738.1	1.43E-10	5.0
1740.1	1.36E-10	4.0	1742.1	1.23E-10	4.0	1744.1	1.15E-10	4.0	1746.1	1.29E-10	4.0	1748.1	1.48E-10	5.0
1750.1	1.49E-10	4.0	1752.1	1.33E-10	5.0	1754.1	1.17E-10	4.0	1756.1	1.11E-10	4.0	1758.1	1.08E-10	4.0
1760.1	1.08E-10	4.0	1762.1	1.18E-10	5.0	1764.1	1.40E-10	6.0	1766.1	1.58E-10	6.0	1768.1	1.67E-10	6.0
1770.1	1.60E-10	6.0	1772.1	1.42E-10	6.0	1774.1	1.29E-10	6.0	1776.1	1.25E-10	5.0	1778.1	1.26E-10	6.0
1780.1	1.25E-10	6.0	1782.1	1.30E-10	6.0	1784.1	1.29E-10	6.0	1786.1	1.30E-10	6.0	1788.1	1.34E-10	6.0
1790.1	1.38E-10	6.0	1792.1	1.19E-10	6.0	1794.1	1.19E-10	6.0	1796.1	1.11E-10	6.0	1798.1	1.51E-10	6.0
1800.1	1.40E-10	6.0	1802.1	1.30E-10	6.0	1804.1	1.29E-10	6.0	1806.1	1.40E-10	6.0	1808.1	1.14E-10	6.0
1810.1	1.65E-10	6.0	1812.1	1.60E-10	6.0	1814.1	1.43E-10	6.0	1816.1	1.26E-10	6.0	1818.1	1.14E-10	6.0
1820.1	1.10E-10	6.0	1822.1	1.15E-10	6.0	1824.1	1.24E-10	6.0	1826.1	1.29E-10	6.0	0.0	0.0	0.0
1800.1	1.40E-10	6.0	1805.1	1.35E-10	6.0	1810.1	1.61E-10	6.0	1815.1	1.35E-10	6.0	1820.1	1.12E-10	6.0
1825.1	1.25E-10	6.0	1830.1	1.23E-10	6.0	1835.1	1.36E-10	6.0	1840.1	1.46E-10	6.0	1845.1	1.29E-10	6.0
1850.1	1.35E-10	6.0	1855.1	1.10E-10	6.0	1860.1	1.25E-10	6.0	1865.1	1.18E-10	6.0	1870.1	1.20E-10	6.0
1875.1	1.12E-10	6.0	1880.1	1.15E-10	6.0	1885.1	1.26E-10	6.0	1890.1	1.27E-10	6.0	1895.1	1.30E-10	6.0
1900.1	1.29E-10	6.0	1905.1	1.20E-10	6.0	1910.1	1.17E-10	6.0	1915.1	1.16E-10	6.0	1920.1	1.22E-10	6.0
1925.1	1.12E-10	6.0	1930.1	1.08E-10	6.0	1935.1	1.07E-10	6.0	1940.1	1.10E-10	6.0	1945.1	1.13E-10	6.0
1950.1	1.16E-10	6.0	1955.1	1.05E-10	6.0	1960.1	1.02E-10	6.0	1965.1	0.81E-11	6.0	1970.1	8.99E-11	6.0
1975.1	9.14E-11	6.0	1980.1	9.59E-11	6.0	1985.1	1.01E-10	6.0	1990.1	1.07E-10	6.0	1995.1	1.07E-10	6.0
2000.1	1.06E-10	6.0	2005.1	1.08E-10	6.0	2010.1	1.05E-10	6.0	2015.1	9.28E-11	6.0	2020.1	8.08E-11	6.0
2030.1	7.51E-11	6.0	2035.1	7.61E-11	6.0	2040.1	7.90E-11	6.0	2045.1	7.87E-11	6.0	2045.1	7.53E-11	6.0
2050.1	7.64E-11	6.0	2055.1	7.41E-11	6.0	2060.1	7.06E-11	6.0	2065.1	6.05E-11	6.0	2070.1	6.05E-11	6.0
2075.1	8.41E-11	6.0	2080.1	8.19E-11	6.3	2085.1	7.98E-11	6.5	2090.1	7.97E-11	6.8	2095.1	6.97E-11	7.8
2100.1	7.18E-11	7.8	2105.1	7.28E-11	7.4	2110.1	7.00E-11	7.8	2115.1	6.72E-11	7.9	2120.1	6.60E-11	7.1
2125.1														

 $R = 0.42$



$R = 0.87$





R = 1.10

HD 222109

HR 8962

HD 222109

LAMBDA	F	(WT, SIG)	F = AVE FLUX	FROM LAM-DEL/2	TO LAM+DEL/2
1580	0.	(0.0 0.0)	1580	0.	(0.0 0.0)
1590U	9.68E-11	(.4 0.0)	1590U	8.25E-11	(.4 0.0)
1600	1.12E-10	(.7 0.0)	1600	1.05E-10	(.7 0.0)
1610	1.16E-10	(.7 0.0)	1610	1.16E-10	(.7 0.0)
1620	1.39E-10	(1.0 0.0)	1620	1.43E-10	(1.0 0.0)
1630	1.25E-10	(.9 0.0)	1630	1.19E-10	(.9 0.0)
1640	1.07E-10	(.7 0.0)	1640	1.04E-10	(.7 0.0)
1650	1.15E-10	(.9 0.0)	1650	1.19E-10	(.9 0.0)
1660	1.12E-10	(.9 0.0)	1660	1.16E-10	(.9 0.0)
1670	1.21E-10	(1.0 0.0)	1670	1.18E-10	(1.0 0.0)
1680	1.07E-10	(.9 0.0)	1680	1.14E-10	(.9 0.0)
1690	1.12E-10	(1.0 0.0)	1690	1.07E-10	(1.0 0.0)
1700	1.09E-10	(1.0 0.0)	1700	1.05E-10	(1.0 0.0)
1710	1.06E-10	(1.0 0.0)	1710	1.10E-10	(1.0 0.0)
1720	9.86E-11	(1.0 0.0)	1720	8.92E-11	(1.0 0.0)
1730	1.21E-10	(1.0 0.0)	1730	1.17E-10	(1.0 0.0)
1740	1.05E-10	(1.0 0.0)	1740	9.80E-11	(1.0 0.0)
1750	9.39E-11	(1.0 0.0)	1750	9.42E-11	(1.0 0.0)
1760	9.87E-11	(1.0 0.0)	1760	9.73E-11	(1.0 0.0)
1770	9.65E-11	(1.0 0.0)	1770	9.68E-11	(1.0 0.0)
1780	9.71E-11	(1.0 0.0)	1780	9.37E-11	(1.0 0.0)
1790	9.05E-11	(1.0 0.0)	1790	9.25E-11	(1.0 0.0)
1800	9.33E-11	(1.0 0.0)	1800	9.22E-11	(1.0 0.0)
1810	9.64E-11	(1.0 0.0)	1810	9.64E-11	(1.0 0.0)
1820	9.36E-11	(1.0 0.0)	1820	9.59E-11	(1.0 0.0)
1830	9.33E-11	(1.0 0.0)	1830	9.51E-11	(1.0 0.0)
1840	9.79E-11	(1.0 0.0)	1840	9.74E-11	(1.0 0.0)
1850	9.33E-11	(1.0 0.0)	1850	9.44E-11	(1.0 0.0)
1860	9.52E-11	(1.0 0.0)	1860	9.16E-11	(1.0 0.0)
1870	9.50E-11	(1.0 0.0)	1870	9.24E-11	(1.0 0.0)
1880	8.44E-11	(1.0 0.0)	1880	8.85E-11	(1.0 0.0)
1890	8.76E-11	(1.0 0.0)	1890	8.52E-11	(1.0 0.0)
1900	8.41E-11	(1.0 0.0)	1900	8.27E-11	(1.0 0.0)
1910	8.70E-11	(1.0 0.0)	1910	8.74E-11	(1.0 0.0)
1920	8.09E-11	(1.0 0.0)	1920	8.20E-11	(1.0 0.0)
1930	7.50E-11	(1.0 0.0)	1930	7.47E-11	(1.0 0.0)
1940	7.02E-11	(1.0 0.0)	1940	6.99E-11	(1.0 0.0)
1950	6.78E-11	(1.0 0.0)	1950	6.64E-11	(1.0 0.0)
1960	6.46E-11	(1.0 0.0)	1960	6.43E-11	(1.0 0.0)
1970	6.53E-11	(1.0 0.0)	1970	6.37E-11	(1.0 0.0)
1980	6.15E-11	(1.0 0.0)	1980	6.12E-11	(1.0 0.0)
1990	6.16E-11	(1.0 0.0)	1990	6.04E-11	(1.0 0.0)
2000	6.02E-11	(1.0 0.0)	2000	6.04E-11	(1.0 0.0)
2010	5.73E-11	(1.0 0.0)	2010	5.80E-11	(1.0 0.0)
2020	5.97E-11	(1.0 0.0)	2020	5.93E-11	(1.0 0.0)
2030	5.97E-11	(1.0 0.0)	2030	5.93E-11	(1.0 0.0)
2040	5.55E-11	(1.0 0.0)	2040	5.61E-11	(1.0 0.0)
2050	5.37E-11	(1.0 0.0)	2050	5.33E-11	(1.0 0.0)
2060	5.50E-11	(1.0 0.0)	2060	5.68E-11	(1.0 0.0)
2070	6.03E-11	(1.0 0.0)	2070	5.88E-11	(1.0 0.0)
2080	5.77E-11	(1.0 0.0)	2080	5.60E-11	(1.0 0.0)
2090	5.81E-11	(1.0 0.0)	2090	5.66E-11	(1.0 0.0)
2100	5.99E-11	(1.0 0.0)	2100	5.85E-11	(1.0 0.0)
2110	6.21E-11	(1.0 0.0)	2110	6.27E-11	(1.0 0.0)
2120	6.17E-11	(1.0 0.0)	2120	6.26E-11	(1.0 0.0)
2130	6.46E-11	(1.0 0.0)	2130	6.55E-11	(1.0 0.0)
2140	6.24E-11	(1.0 0.0)	2140	6.50E-11	(1.0 0.0)
2150	6.76E-11	(1.0 0.0)	2150	6.77E-11	(1.0 0.0)
2160	7.26E-11	(1.0 0.0)	2160	7.28E-11	(1.0 0.0)
2170	6.60E-11	(1.0 0.0)	2170	6.54E-11	(1.0 0.0)
2180	6.59E-11	(1.0 0.0)	2180	6.66E-11	(1.0 0.0)
2190	6.60E-11	(1.0 0.0)	2190	6.74E-11	(1.0 0.0)
2200	6.90E-11	(1.0 0.0)	2200	7.01E-11	(1.0 0.0)
2210	7.61E-11	(1.0 0.0)	2210	7.76E-11	(1.0 0.0)
2220	7.33E-11	(1.0 0.0)	2220	7.51E-11	(1.0 0.0)
2230	7.36E-11	(1.0 0.0)	2230	7.52E-11	(1.0 0.0)
2240	7.86E-11	(1.0 0.0)	2240	7.94E-11	(1.0 0.0)
2250	7.26E-11	(1.0 0.0)	2250	7.13E-11	(1.0 0.0)
2260	7.50E-11	(1.0 0.0)	2260	7.89E-11	(1.0 0.0)
2270	8.02E-11	(1.0 0.0)	2270	7.77E-11	(1.0 0.0)
2280	7.45E-11	(1.0 0.0)	2280	7.56E-11	(1.0 0.0)
2290	7.73E-11	(1.0 0.0)	2290	7.75E-11	(1.0 0.0)
2300	8.38E-11	(1.0 0.0)	2300	8.68E-11	(1.0 0.0)
2310	0.00(0.0 0.0)		2310	0.00(0.0 0.0)	
2320	3.78( 9 0.0)		2320	3.87(1.0 0.0)	
2330	4.43( 7 0.0)		2330	4.51( 6 0.0)	
2340	0.00(0.0 0.0)		2340	0.00(0.0 0.0)	
2350	3.96(1.0 0.0)		2350	3.96(1.0 0.0)	
2360	4.37( 4 0.0)		2360	4.37( 4 0.0)	
2370	0.00(0.0 0.0)		2370	0.00(0.0 0.0)	
2380	4.02(1.0 0.0)		2380	4.02(1.0 0.0)	
2390	4.21( 2 0.0)		2390	4.21( 2 0.0)	
2400	0.00(0.0 0.0)		2400	0.00(0.0 0.0)	
2410	3.73( 7 0.0)		2410	3.73( 7 0.0)	
2420	4.18( 9 0.0)		2420	4.18( 9 0.0)	
2430	0.00(0.0 0.0)		2430	0.00(0.0 0.0)	

X,Y(MM) 3.1 -2.9 SL3- 17 21 SCANS, T= 218 HR 8962 WT 1.0, SCALE 1.00

R = 0.68

LAMBDA	F	(WT, SIG)	F - AVE FLUX FROM LAM-DEL/2 TO LAM+DEL/2
1420U	3.00E-10(.3 0.0)	1422U	3.06E-10(.3 0.0)
1430U	3.06E-10(.4 0.0)	1432U	3.31E-10(.4 0.0)
1440	3.32E-10(.5 0.0)	1442	3.77E-10(.6 0.0)
1450	3.70E-10(.8 0.0)	1452	3.59E-10(.7 0.0)
1460	3.92E-10(1.0 0.0)	1462	3.73E-10(.9 0.0)
1470	2.92E-10(.6 0.0)	1472	2.58E-10(.6 0.0)
1480	2.65E-10(.7 0.0)	1482	2.75E-10(.7 0.0)
1490	3.03E-10(.9 0.0)	1492	3.31E-10(1.0 0.0)
1500	3.36E-10(1.0 0.0)	1502	3.14E-10(1.0 0.0)
1510	3.04E-10(1.0 0.0)	1512	3.27E-10(1.0 0.0)
1520	3.13E-10(1.0 0.0)	1522	3.16E-10(1.0 0.0)
1530	3.11E-10(1.0 0.0)	1532	2.93E-10(1.0 0.0)
1540	2.69E-10(1.0 0.0)	1542	2.70E-10(1.0 0.0)
1550	2.72E-10(1.0 0.0)	1552	2.81E-10(1.0 0.0)
1560	2.76E-10(1.0 0.0)	1562	2.83E-10(1.0 0.0)
1570	2.67E-10(1.0 0.0)	1572	2.63E-10(1.0 0.0)
1580	2.75E-10(1.0 0.0)	1582	2.73E-10(1.0 0.0)
1590	2.83E-10(1.0 0.0)	1592	2.78E-10(1.0 0.0)
1600	2.72E-10(1.0 0.0)	1602	2.71E-10(1.0 0.0)
1610	2.61E-10(1.0 0.0)	1612	2.58E-10(1.0 0.0)
1620	2.61E-10(1.0 0.0)	1622	2.55E-10(1.0 0.0)
1630	2.59E-10(1.0 0.0)	1632	2.65E-10(1.0 0.0)
1640	2.73E-10(1.0 0.0)	1642	2.80E-10(1.0 0.0)
1650	2.67E-10(1.0 0.0)	1652	2.73E-10(1.0 0.0)
1660	2.67E-10(1.0 0.0)	1662	2.72E-10(1.0 0.0)
1670	2.84E-10(1.0 0.0)	1672	2.86E-10(1.0 0.0)
1680	2.93E-10(1.0 0.0)	1682	2.93E-10(1.0 0.0)
1690	2.96E-10(1.0 0.0)	1692	3.00E-10(1.0 0.0)
1700	3.10E-10(1.0 0.0)	1702	3.08E-10(1.0 0.0)
1710	2.87E-10(1.0 0.0)	1712	2.93E-10(1.0 0.0)
1720	3.04E-10(1.0 0.0)	1722	2.96E-10(1.0 0.0)
1730	2.88E-10(1.0 0.0)	1732	2.87E-10(1.0 0.0)
1740	2.94E-10(.9 0.0)	1742	2.89E-10(.9 0.0)
1750	2.87E-10(.9 0.0)	1752	2.94E-10(.9 0.0)
1760	2.84E-10(.9 0.0)	1762	2.80E-10(.9 0.0)
1770	2.81E-10(.9 0.0)	1772	2.84E-10(.9 0.0)
1780	2.78E-10(.8 0.0)	1782	2.65E-10(.8 0.0)
1790	2.78E-10(.8 0.0)	1792	2.86E-10(.8 0.0)
1800	2.76E-10(.8 0.0)	1802	2.80E-10(.8 0.0)
1810	2.89E-10(.8 0.0)	1812	2.87E-10(.8 0.0)
1820	2.99E-10(.8 0.0)	1822	3.02E-10(.8 0.0)
1800	2.77E-10(.8 0.0)	1805	2.84E-10(.8 0.0)
1825	3.07E-10(.7 0.0)	1835	3.11E-10(.7 0.0)
1850	3.13E-10(.7 0.0)	1855	3.07E-10(.7 0.0)
1875	3.14E-10(.7 0.0)	1880	3.10E-10(.7 0.0)
1900	2.92E-10(.7 0.0)	1905	2.90E-10(.7 0.0)
1925	2.86E-10(.6 0.0)	1930	2.84E-10(.6 0.0)
1950	2.94E-10(.6 0.0)	1955	3.02E-10(.6 0.0)
1975	2.95E-10(.6 0.0)	1980	2.94E-10(.6 0.0)
2000	2.78E-10(.5 0.0)	2005	2.95E-10(.5 0.0)
2025	2.89E-10(.5 0.0)	2030	2.83E-10(.5 0.0)
2050E	2.96E-10(.4 0.0)	2055E	2.99E-10(.4 0.0)
2075E	2.82E-10(.4 0.0)	2080E	2.81E-10(.4 0.0)
2100E	3.02E-10(.4 0.0)	2105E	3.07E-10(.4 0.0)
2125E	2.83E-10(.4 0.0)	2130E	2.75E-10(.4 0.0)
2150E	2.78E-10(.3 0.0)	2155E	2.63E-10(.3 0.0)
2175E	2.63E-10(.3 0.0)	2180E	2.66E-10(.3 0.0)
2200E	2.76E-10(.3 0.0)	2205E	2.66E-10(.3 0.0)
2225E	2.63E-10(.3 0.0)	2230E	2.57E-10(.2 0.0)
2250E	2.63E-10(.3 0.0)	2255E	2.69E-10(.2 0.0)
2275E	2.57E-10(.2 0.0)	2280E	2.59E-10(.2 0.0)
2300E	2.42E-10(.2 0.0)	2305E	2.31E-10(.2 0.0)
2300E	2.42E-10(.2 0.0)	2310E	2.23E-10(.2 0.0)
2350E	2.19E-10(.2 0.0)	2360E	2.24E-10(.2 0.0)
2400E	2.37E-10(.2 0.0)	2410E	2.48E-10(.2 0.0)
2450E	2.30E-10(.2 0.0)	2460E	2.36E-10(.2 0.0)
2500E	2.30E-10(.1 0.0)	2510E	2.38E-10(.1 0.0)
2550E	2.71E-10(.1 0.0)	0.0	(0.0 0.0)
135#	0.00(0.0 0.0)	139	0.00(0.0 0.0)
166	2.79(1.0 0.0)	172	2.73(1.0 0.0)
219E	2.84(.3 0.0)	0	0.00(0.0 0.0)
148	2.74(.7 0.0)	154	2.76(1.0 0.0)
181	2.75(.8 0.0)	192	2.73(.6 0.0)
0	0.00(0.0 0.0)	0	0.00(0.0 0.0)
161	2.83(1.0 0.0)	204E	2.75(.5 0.0)
0	0.00(0.0 0.0)	0	0.00(0.0 0.0)

X,Y(MM) 9.1 4.9 SL3- 17 21 SCANS, T= 218 IOT AND WT 1.0, SCALE 1.00

R = 0.91+

[illegible]

X,Y(MM) 7.1 -4.9 SL3- 17 22 SCANS, T= 218 KAP AND WT 1.0,SCALE 1.00





1. Report No. NASA RP-1031		2. Government Accession No.		3. Recipient's Catalog No.	
4. Title and Subtitle Catalog of Far-Ultraviolet Objective-Prism Spectrophotometry: Skylab Experiment S-019, Ultraviolet Stellar Astronomy				5. Report Date May 1979	
				6. Performing Organization Code	
7. Author(s) K. G. Henize, Johnson Space Center; J. D. Wray, S. B. Parsons, and G. F. Benedict, The University of Texas at Austin				8. Performing Organization Report No. S-495	
				10. Work Unit No. 920-20-00-00-72	
9. Performing Organization Name and Address  Lyndon B. Johnson Space Center Houston, Texas 77058				11. Contract or Grant No.	
				13. Type of Report and Period Covered Reference Publication	
12. Sponsoring Agency Name and Address  National Aeronautics and Space Administration Washington, D.C. 20546				14. Sponsoring Agency Code	
15. Supplementary Notes					
16. Abstract  Ultraviolet stellar spectra in the wavelength region from 1300 to 5000 Å (130 to 500 nm) were photographed during the three manned Skylab missions using a 15-cm aperture objective-prism telescope. The prismatic dispersion varied from 58 Å mm <sup>-1</sup> at 1400 Å to 1600 Å mm <sup>-1</sup> at 3000 Å. Approximately 1000 spectra representing 500 stars have been measured and reduced to observed fluxes. About 100 stars show absorption lines of Si IV, C IV, or C II. Numerous line features are also recorded in supergiant stars, shell stars, A and F stars, and Wolf-Rayet stars. Most of the stars in the catalog are of spectral class B, with a number of O and A type stars and a sampling of WC, WN, F and G type stars. Spectrophotometric results are tabulated herein for these 500 stars.					
17. Key Words (Suggested by Author(s))  Ultraviolet spectra Stellar spectrophotometry O and B stars			18. Distribution Statement  STAR Subject Category: 93		
19. Security Classif. (of this report)  Unclassified		20. Security Classif. (of this page)  Unclassified		21. No. of Pages  548	
				22. Price*  \$15.50	

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